FORMING A COMPLETE RECORD OF THE PROCEEDINGS OF ALL PUBLIC COMPANIES.

THE MINISOURNAL, AND

No. 558.—Vol. XVI.]

LONDON: SATURDAY, MAY 2, 1846.

PRICE 6D.

26

INING MATERIALS FOR SALE.—TO BE SOLD, BY TUBLIC AUGITON, on Monday, the 4th day of May next, at Eleven o'clock in the moon, at WHEAL PROVIDENCE MINE, in the parish of Gwinear, by Mr. G. SEALY, tameer, the following MIRE MATERIALS, on the CARLOOSE MINE, consisting of in excellent 60-inch cylinder PUMPING-ENGINE, 8-ket stroke in shaft, and pi-foet ylinder, with two boilers, 24 tons steam pipes, &c., complete, every good CRUSHING MACHINE, complete, nearly new. 23-ft. WATER-WHEEL, 2ft. on breast, with 6-head stamps, complete, & nearly new. by CAGE of a STEAM-WHIM, with perpendicular iron axic, complete.

cast-iron axle and cam rings, with 8-head stamps, brasses, &c., the whole complete, and new, with 40 fms. of launders.—Dated Maraxion, April 10, 1846.

TO COAL MINERS AND OTHERS.—EXTENSIVE SALE
OF STEAM-ENGINES, BOILERS, LIFTING AND WINDING MACHINERY, CARSTANS, and other articles connected with the business, in consequence of the Oil Bushy Park Colliers, St. Helens, being entirely worked out (the whole of the STOCK, Direc-fifths of the same beling property in trust for decased partners, is obliged to be disposed of), and WILL BE SOLD, BY TUELG ACCENDING, by J. DREW, on Wednesdy, the 6th of May, and the following day, at the Old RUSHY PARK COLLIERY, near. ST. HELENS.—The PROPERTY consists of—ONE atmospheric hand-geer LIFTING STEAM-ENGINE, equal to 56-horses power, iron beam, with arch heads, one round belier, equal to 50-horses power one ditte, 46-horses ditto, pit head framing, capstan, and 30's ards of 11-inch rope.
ONE condensing hand-geer LIFTING and WINDING STEAM-ENGINE, equal to 32-horses power, tron beam, one cylindrical steam-boller, equal to 40-horses power, connecting-rod, fit-wheel, whiching barrel and flat-rope, pit head framing, and capstan.
ONE condensing hand-geer LIFTING STEAM-ENGINE, equal to 38-horses power; no ditto, iron pit head framing, capstan, and 30-horses power; one ditto, now, 15-horses ditto.
ONE condensing D valve LIFTING and WINDING STEAM-ENGINE, equal to 17-horses power; iron beam, one cylindrical steam-boller, equal to 30-horses power; one ditto, 15-horses ditto.
ONE high-pressure FRAME STEAM-ENGINE, equal to 16-horses power; one ditto, 15-horses ditto.
ONE high-pressure FRAME STEAM-ENGINE, equal to 16-horses power; iron beam, and round boller.
ONE and and the stamps of the stam

street, Manchester.

THE SALE OF THE FREEHOLD LAND AND COTTAGES IS POSTFONED until further notice.

Nortce,—The Blackbrook Rushy Park Colliery has been for five years in full open than Alf orders for this superior coal to be addressed to Mesars, Bromilow, Broth and Sothern, St. Helens; or Mesars, Sothern, Bromilow, and Brother, at their offic 5, Castle-street, and 2, Rumford-street, Liverpool.

DARK IRON-WORKS, SHEFFIELD.—Mr. G. O. BROWN has the honour to announce, that he has received instructions from the proprietors of the above celebrated works TO OFFER FOR SALE, on the 11th of May next and following days, all the valuable MACHINERY, STEAM-ENGINES, PLANIN MACHINES, LATHES, CRANES, WEIGHING MACHINERY, STEAM-ENGINES, ANVILS VICES, BELLOWS, and other MISCELLANEOUS STOCK, consisting of—

and following days, all the valuable MACHINERY, STEAM-ENGINES, PLANING MACHINES, LATHES, CRANES, WEGHING MACHINES, TOOLS, ANVILS, VICES, BELLOWS, and other MISCELLANEOUS STOCK, consisting of—
SMITHS' TOOLS, of every description, in iron and steel.
FITTERS and ERECTORS' TOOLS, in great variety.
BORING and TURNING TOOLS, of superior quality.
PATENT SCREW TAPS, DIES, WERNCHES, &c. (Whitworth's).
MOULDERS' TOOLS, for every purpose.
FETLERS' & DHESSERS', TOOLS, for all kinds of work.
CAST-IRON FLOOR PLATES, of various sizes, in suitable lots.
ASHLER STONE, in blocks of large dimensions.
CARTS, DRUDOES, HARNESS, and STABLE FITTINGS.
FATTERNS in wood, rom, and other metals, in almost endless variety, for every description of POUNDRY, ENGINEERING, RAILWAY, and ARCHITECTURAL WORK, also for GAS and WATER-WORKS, consisting of iron and wood models for casting pipes vertically, of every size, including bends, branches, quadrants, plug, taper, and outlet, with box-parls, core-bars, loam plates, and all things appertaining thereto; a well for reborts, hydraulic mains, condensers, purifiers, syphons, &c.
WHEELS for RAILWAY WAGGONS, chairs, water cranes, tanks, turn-tables, roofs, columns, bridges, palisading, water and eave apouting, fountain heads, shoes, &c.
SPUR, BEVIL, METRE, FIV, and other WHEEL PATTERNS.
PATTERNS for MILL MACHINERY, lathes, steam-engines, sluice and safety valves, iron chills, bored far casting hard rollers for iron, &c.
CORE RANGES, STOYE CARRIAGES, and OTHER FOUNDRY WORK.

THE PLANT, OR FIXED STOCK,
Comprises a strong and well made

DOUBLES-POWER ROULTON AND WATT STEAM-ENGINE,
With fly-wheel, blowing cylinder, and evel indee, 56-inch diameter, with three wrought-fron boilers, waggon shape, with a cylindrical tube in each, fire doors, and frames, bearres, grave bars, dampers, and frames, steam and feed pipe; bloat pipes, 18-inch diameter, leading from the regulator to two furnaces; feeding apparatus to two furnaces; stove fittings and pipes; a very excellent pipes; blast pipes; illast pipes; blast pipes

one 5-ton, and one 2-ton road machine, of superior and correct worksmaship; two excellent pipe-proving machines, with feed-band, force pumps, and levers.

A magnificent PLANING MACHINE, 18 feet by 3 feet 6 inches clear.

A valuable SLIDE LATHE, 14 feet bed, clear, with change wheels.

A strong SLIDE LATHE, for roll turning.

A superior LATHE, capable of boring cylinders, 8 feet diameter, 25 ft. 9 in. bed.

A new Borling and Turning LATHE.

A to-inch double-geared HAND LATHE.

A to-inch double-geared HAND LATHE.

A 7-inch HAND TURNING LATHE.

A 7-inch HAND TURNING LATHE.

A 7-inch HAND TURNING LATHE.

A 7-inch WOOD TURNING LATHE.

A 7-inch WOOD TURNING LATHE.

A 1-inch WOOD TURNING LATHE.

A WOTTING MACHINE.

A NUTTING MACHINE.

A MUTTING MACHINE.

A superior and horizontal SHAFTS, carriages, hanging brackets, drum pullies, bevil and mire wheels, leather bands, &c.

GAS FITTINGS throughout the works.

OFFICE FIXTURES, DESKS, IRON SAFES.

A superior slate TABLE, BOARDS, &c.

Fringed callegues, descriptive of the lots, with order of sale, will be ready one week previous, and may be had, at one shilling each, at the Mercury office, Sheffield; the anchoner, Rotherham; the Gwardian office, Manchester; the Marcury office Leeds; the Milliand Gessie of the Guidhall Coffice-basses, Cley, London; Easter Counties Herald office, Hull.

MALEES AT TITFORD, NEAR OLDBURY.—TO BE

Coffice States. Clip, London; Eastern Counties Herald office, Hull.

NEES AT TITFORD, NEAR OLDBURY.—TO BE
Union street, Birmingham, on Thursday, the Sist day of May next, at Four ciclock in the
fiterpoon, subject to conditions them to be produced, all the valuable MINE of TENTARD, or THICK, ODAL; and all other the MINES of COAL and RIONSTONE, under
the SMETHWICK CHAPEL ESTATE, at TITFORD, in the parish of Hales. Owner, in
the occupation of Mr. Whitehouse, and contains about 18 acres. The catate adjoins the
colliery of Measr. Hartistand and Co., and is close to Measrs. Bennette' and Kessra. Whitehouse and Finch's collieries—all now at work.

The mines have been proved by the workings of the adjoining sollieries.

For further information apply to Measrs. Barker and Griffiths, sollictors, Birmingham;
Measrs, Gauster and Son, mine agents, West Bromwich; or the auctionscept, New-street,
Bignains and

MINE MATERIALS.-I. T. TREGELLAS, QUAY, TRURO

COS :Smillns' Bellows
Oils—of or cry kind
Grease, at the makers' prices
Fige Brick and Bulkling Brick
Prem, Tan, Rosin, and Roman Cement
Anylls, Victor, and Fills
Leatura
Grainborones
Emgines Shao and Sump Stripe
One Prices Program, and Sacking

or good quanty, and at the lowest market pr IRONS, including best Sursonshires Barra, extra-refined Chain Iron, Bother-Plates, Kirbbis-Plates, Hoors, and Sherts Street of every description Coals. GUNDOWDER and POWDER CANS

COALS
GUNFOWDER AND POWDER CANS
HENT AND WIRE CONDACE
Best Scrap Chain, warranted
Kubles and Water Barries
Nails of all kinds
SHEET LEAD, White Lead, and Red Lead
SHOUTELEAD, White Lead, and Red Lead

SHOVELS Picks and Pick Moulds Mallets and Mallet Iron Saws and Hatchets
Shove Hilts from 1s. per doz. to 5s. per doz.
Pick Hilts

EMGINS SHAG AND SUMP STRIPE
ONE DUCKS, POLDAYS, and SACRING
PATENT FORT, for covering cylinders, &c.
PATENT ROUTES FEET, Id. per square foot
LITTING JACKS
PATENT FURE, SHOOTING NEEDLES, and
CLAY IRONS, and every other description
of materials for general mine consumpt.
Dated Truro, April 2. MINERALS IN AYRSHIRE.—TO BE LET, ON LEASE, of Albay's lands of years as may be agreed on, the MINERALS in the Marquis of Albay's lands of MARTNAHAM, BOGSIDE, and OTHERS, in the parishes of Dalrymple and Chyeton, extending to upwards of 3800 Seorch acres. The lands are known to contain COAL and CLAY-BAND IRONSTONE to a considerable extent, and of superior quality; and, from a recent search, it is all but certain that BLACK-BAND IRONSTONE is also abundant. There is a limework in the immediate neighbourhood. The lands are situated within five miles of the county and sea-port town of Ayr, to which there will be railway communication—by at least one line—in about 18 months. Altogether, it is seldom that a more eligible place for establishing iron-works, on an extensive scale, is in the market. If desired, the COAL, in a limited portion of the land will BE LET BY ITSELF.

For further information, application may be made to Mr. Ferguson, mining engineer,

will BE LET BY ITSELF.

For further information, application may be made to Mr. Ferguson, mining engineer, Machan House, Larkhall, near Glasgow; or Thomas Dykes, Maybole Castle, Ayrshire, both of whom are in possession of journals of the coal bores, and of a report of a mineral survey, recently made, in reference to ironstone.—Maybole, April 22, 1846.

TO BE SOLD, BY PRIVATE CONTRACT, all that powerful FORGE and MILL, situate at LEA BROOK, in the parish of Tipton, now beng worked by the Galvanised Iron Company, and where they are carrying on their vatable patents. The purchase-money will be received by easy instalments; and for any
her particulars apply to Mr. George Payton, Great Bridge, Tipton.

TO MINERS AND ENGINEERS.—TO BE SOLD, a PAIR of 8-horse High-PRESSURE MARINE ENGINES—new. Also, second-hand, an excellent 40-horse High-PRESSURE ENGINE, and a 6-horse CORNISH ENGINE. The two first with new botiers—complete; the small two with a good boiler: they will be sold very reasonable. They are now near Chudleigh, Devon, and the new boilers are in London.—Address H. Weston, Esq., Chudleigh Knighton; or J. Reeve, engineer, Belle Ver, Bovey Tracey, Devon.

TO IRON MASTERS, FOUNDERS, AND OTHERS.
CHARCOAL PIG-IRON.—TO BE SOLD, a QUANTITY of the celebrated INDI.
CHARCOAL PIG-IRON, now lying at St. Katherine's Docks, suitable for the inaunt
titure of steel, tin plates, malleable castings, bars, cannon, and castings required to
tough and highly polished, and for all ordinary purposes of iron, whether cast or wrong
Apply to Mr. H. Herbert Downman, 2, Bucklersbury, Cheapside.

Apply to Mr. H. Herbert Downman, 2, Bucklersbury, Cheapside.

SOUTH STAFFORDSHIRE.

FORGE AND MILL TO BE LET.—TO BE LET, for a term of years, all that well-known FORGE and MILL, situated at the LEVEL IRON-WORKS, near Brierley-hill, Staffordshire, consisting of a complete FORGE, with ENGINE of 26-horse power, two powerful helves, it puddling furnaces, and every other requisite: a large and complete MILL, with ENGINE upwards of 50-horse power, with squeezers for puddled balls, a train of two pair of auddled ball rolls, two trains of mail rolls, trains of merchant bar rolls, hopy rolls, rall rolls, excellent cutter train for rods, numerous shears, drilling machine, five heating furnaces, and excellent lattic, and conveniences of every description. Two upright beliefs are worked by the heating furnaces for the mill engine. The rolls, floor plates, furnaces, working tools, and other property belonging to the present tenant, in consequence of a receme death, would have no objection to refree, any person wishing immediate possession of the works, may have the same in its present working state, together with the orders and connections of long standing, which are sufficient to find a regular demand for the produce of the works, application to the North R. Smith, the Priory; Dudley; or to Mr. James Holeroft, at the Level Mill.

FOUNDRY FOR SALÉ—NEWHALL FOUNDRY, with STEAM-ENGINE, CUPOLAS, BLACKSMITH'S SHOP, and other buildings, situated on the canal bank—one mile from Wyrley, two from Cannock.—The property, with half an street of land, is lessehold, with 90 odd years to run, and will be disposed of on fair terms.—Apply to Dr. Burton, Walshi, Staffordshire.

A GENTLEMAN, having experience in the management of an Engineering Establishment, in the Manufacture of Steam-Engines, and Machinery in general, will be happy to ENGAGE with a FAILWAY, IRON, or MINING COMPANY, to SUPERINTEND and take the MANAGEMENT of their WORKS. The first references can be given.—Address "M.I.C.E.," care of the Editor of the Mining Journal 26, Fleet-street, London.

THE PATENT SAFETY FUSE,
FOR BLASTING ROCKS IN MINES, QUARRIES, AND FOR SUBMARINE OFERATIONS.—This article affords the SAFEST, CHEAPEST, and most EXPEDITIOUS MODE of effecting this very hazardous operation. From many testimonies to its usefulness with which the manufacturers have been favoured from every part of the kingdom, they select the following letter, recently received from John Taylor, Esq., F.R.S., &c.:—"I am very glad to hear that my recommendations have been of any service to you; they have been given from a thorough conviction of the great usefulness of the Safety Fuse; and I am quite willing that you should smploy my name as evidence of this."

Manufactured and sold by the Patentees, BICKFORD, SMITH, and DAVEY, Jaylores, Cornwall.

NOTICE TO THE PROPRIETORS AND SHARE—
HOLDERS OF MINES, SMELTING-WORKS, &c.
Messrs. MITCHELL and FIELD beg to inform the PUBLIC, that they have REMOVED from No. 5. 4 to No. 23, HAWLEY-ROAD, KENTISH TOWN, where they have erected a spacious LABORATORY, fitted expressly for the performance of all OPERATIONS CONNECTED WITH MINING.—Practical instruction to gentlemen in Assaying, Mineral Analysis, and Manufacturing Chemistry in general.

Assays and Analyses conducted as usual.

All communications to be addressed to Messrs. Mitchell and Field, assayers, No. 23, Hawley-road, Kentish Town.

POLKINGHORNE'S PATENT METHOD OF TREATING Messrs. POLKINGHORNE & CO. beg to acquaint ADVENTURERS, and OTHERS interested, in TIN MINES, that they have just obtained HER MAJESTY'S LETTERS PATENT for the SOLE USE of a COMPOUND SOLUTION, effectually to CLEANSE TIN ORE from all extraneous metals—thereby increasing its value from £2 to £4 per ton.

TEAM COAL—WITHOUT SMOKE, as per experiments made at her Majesty's Dockyard, Woolwich.

CAMERON'S COALBROOK STEAM COAL, AND SWANSEA AND LOUGHOR RAILWAY COMPANY.—(Completely Registered and Incorporated.)

OFFICES—2, MOORGATE-SPREET, LONDON.

The directors are now prepared to supply steam slip companies, manufacturers, shippers, and others, with the company's steam coal, either at the company's wharfat Swanses, or in London. A statement, showing by comparative trial the superiority of this coal for steam purposes over every other, and a scale of prices, may be had on application at the company's offices here, or at their wharf at Swanses.—March 18, 1846.

VALUABLE PATENT FOR SALE—RODDA'S SMOKE-CONSUMING APPARATUS, whereby an important SAVING OF FUEL IS EFFECTED.—This PATENT, which is well known, and its power and efficiency in the consumption of smoke admitted, as well as the great economy in the quantity of fuel employed, is now OFFERED FOR SALE by the groprietor, who, from the success which has attended its application in London, Leeds, Breafford, Shambeld, Dorby, Leicester, Nottingham, and many other places, has perfect confidence in stating, that it would become highly valuable if in the hands of parties who would direct their attention to its more general application, and protect it from infringement. It has been used for several years in the breweries of Messrs. Barclay, Perkins, and Co., and of Messrs. Truman and Handury; also, as Messrs. Bolinson and Belvite's Grate Manufactory, Rolliorn, as well as other places in the metropolis, where it may be seen in operation.

For particulars apply at the offices of H. English, Eq., 5, Shorter's-court, Tarognory street, where plans, models, and featimentals may be seen, and any necessary information given.—St. Austell, Cornwall, April 18, 1846.

R. H. B. RYE (from Cornwall), MINE AND RAILWAY
SHARE AGENT, 80, OLD BROAD STREET, LONDON.
Mines inspected, and every information may be obtained on application.

THOS. P. THOMAS, of the late firm of RYE and THOMAS,
MINE AGENT, AND DEALER IN RAILWAY AND OTHER SHARES,

O OLD BROAD-STREET, LONDON.

JAMES LANE, SHARE AGENT,
HALL OF COMMERCE, LONDON.

WILLIAM TRENERY, DEALER IN RAILWAY AND MINING SHARES.—ESTABLISHED TEN YEARS. OFFICES, No. 50, THREADNEEDLE-STREET, LONDON.

PAUL RABEY, Jun., AND CO., MINE AND RAILWAY
SHARE AGENTS.
OFFICE-No. 12, COPTHALL-COURT, LONDON.
22

WILLIAM FOX AND SON, No. 53, CASTLE-STREET, LIVERPOOL, have always on SALE PIG-IRON, RAILWAY BARS, CHARRA and IRON of every description.—TIN PLATES, WIRE, &c.

MESSRS. LAMOND, SMALE, and LAMOND'S PUBLIC SALE OF RAILWAY SHARES, &c., are HELD, at the Hall of Commerc Threadnestle-street, every TUESDAY and FRIDAY, at One o'clock precisely.—Ordoreceived until Four o'clock of the day prior to sale.—London, April 24, 1846.

LAMERHOOE WHEAL MARIA COPPER MINE: WHEAL CONCORD LEAD AND COPPER MINE: WHEAL WALTER COPPER AND LEAD MINE: WHEAL MARY (in Calstock) COPPER MINE: LOSTWITHIEL CONSOLS COPPER MINE: WHEAL KELLY CONSOLS COPPER AND LEAD MINES:

WHEAL KELLY CONSOLS COFFEE AND LEAD IN THE STATE OF THE STATE OF THE AND LEAD IN THE STATE OF THE AND LEAD IN THE STATE OF THE STAT ect. Cheapside, London, May 2, 1846.

> VIRTUOUS LADY COPPER MINE: WHEAL BEDFORD COPPER MINE:
> TAVY CONSOLS COPPER MINE:
> GREAT WHEAL WILLIAMS COPPER, LEAD, & TIN MINES:

THE BUSINESS of the ABOVE MINES IS CONDUCTED at No. 5, BUCKINGHAM-PLACE, STONEHOUSE, DEVONSHIRE, where all particulars may be obtained.

WALTER LOMER, Purser.

MINING OFFICES, REMOVED FROM 16, CORNHILL, to 1, THREE KING COURT, LOMBARD-STREET.—MT. R. TREDINICK (of Cornwall), having established PRACTICAL AGENTS and CORRESPONDENTS in every MINING DISTRICT, whereby he obtains early and accurate information pespecting MINES, profers his services to capitalists and adventurers in the PURCHASTAND DISTRICT.

INING PROPERTY.—CAPITALISTS who are disposed to MINLING FROPERTY.—CAPITALISTS who are disposed to INVEST in CORNISH and FOREIGN MINES, will find the present opportunity rery favourable for so doing. From large sums having been lately diverted from such avestments for railway speculations, standard mines are now selling at prices that will say the purchases 30 per cent. per annum for his outlay. There are also other mines hat are on the eve of paying dividends, which can be recommended with confidence. Applications to be made to Mr. JAMES HERRON, mining agent, No. 3, Adam's-coart, Broad-street, London.

A NGLO-MEXICAN MINT OFFICE, 5, Broad-street-buildings, April 24, 1846.—Notice is hereby given, that the ANNUAL GENERAL MEETING of the shareholders in this company will be HELD at the office, as above, on Tuesday, the 5th of May next, when one director will be elected, in the place of John Schneider, Esq., who goes out by rotation, but is eligible for re-election, and will be proposed accordingly.—The chair will be taken at One o'clock precisely.

G. B. LONSDALE, Secretary

STURIAN MINING COMPANY.—At a Special Meeting, held this day, at the request of the majority of the shareholders, if was Resolved,—That all shares on which the calls due on the lat of October, 1845, and the lat of the present month, shall not be paid on or before the 20th proximo, will be forfeited, and new shares issued, to be disposed of hereafter for the benefit of the company. The numbers will be published.

By order of the board of directors, 9, Austinfriars, London, April 27, 1846.

MEXICAN COMPANY.—The directors hereby give Notice, that the ANNUAL GENERAL MEETING of proprietors in this company will be HELD at the office of the company, on Thursday, the 7th of May next, at One o'clock precisely, in conformity with the Deed of Constitution of the company, 32, Great Winchester-street, April 27, 1846.

J. M. MAUDE, Secretary.

WEST WHEAL JEWEL MINING ASSOCIATION.—
Notice is hereby given, that the ANNUAL GENERAL MEETING will be held at the company's office, as under, on Monday, the 11th of May next, at Twelve for One yelock precisely.

57, Old Broad-street, April 20, 1846.

WILLIAM NICHOLSON, Secret

STEAM-ENGINES.—From 8 to 20-horse power ENGINES ALWAYS IN STOCK.
Apply to Mr. CAPPER, ENGINE-MAKER and FOUNDER, BIRMINGHAM. 33

TO THE DIRECTORS OF RAILWAY COMPANIES, RAILWAY CONTRACTORS, &c. W. & C. YOUNG, MANUFACTURERS OF IRON WORK, &c.,

W. & C. YOUNG, MANUFACTURERS OF IRON WORK, &c.,
128, HIGH-STREET, EDINBURGH, AND 32, ST. ENOCH-SQUARE, GLASGOW,
beg to inform the DIRECTORS OF RAILWAY COMPANIES, and RAILWAY COMTRACTORS, that, having just completed extensive additions to their works, they are now
enabled to undertake NEW CONTRACTS for every description of IROS WORK required for RAILWAY PURPOSES.—Strong wrought-fron Tension Bridges, for crosslags, constructed upon a very economical and efficient principle; improved wronght-from
Grites, for fields, crossings, &c.; handsome wrought and cast-iron entrance Gates and
Railing, for stations, &c.; waggon mounting, earth mattocks, and stone picks, made of
the best material.—W. & C. Y. deliver the above free, at any of the principal ports of
England, Scotland, or Ireland.

HALLETTE'S ATMOSPHERIC RAILWAY AND
CANAL PROPULSION COMPANY.—(Completely Registered).
The EXPERIMENTAL LINE OF RAILWAY, at the ROSEMARY BRANCH
PECKHAM, for EXHIBITING the APPLICATION of HALLETTE'S ATMOSPHERIU DATENT GALVANISED IDON CONTACT SUPPLY A M. COLE, Secreta DATENT GALVANISED IDON CONTACT SUPPLY A M. COLE, Secreta DATENT GALVANISED IDON CONTACT SUPPLY A M. COLE, Secreta DATENT GALVANISED IDON CONTACT SUPPLY SUP

wineheaver house, 52, 0dd Broad-street, London.

DATENT GALVANISED IRON COMPANY.—At a Meeting of the proprietors of this company, held at the offices, 3, Mansion-house-place, London, on Tuesday, the 31st March, 1846, the following resolutions were adopted :—

I. Resolved,—That the report of the directors, and the accounts now submitted, be received and entered on the minutes.

3. Resolved,—That this meeting, deeply impressed with the great importance of complete railway communication between the company's works in Wales, the manufacturing districts, and the ports of the Bristol Channel, confirms and appreves of the subscription by the directors, on behalf of the company, for 1000 shares in the Liyavi Valley and South Wales Jauction Railway, appoints the directors trustees to hold the said shares on behalf of the company; and authorises them to do all necessary acts in pursuance of the engagements into which they have entered in respect of the same.

3. Resolved,—That s dividend, at and after the rate of 5 per cent. per annum, free of income tax, be declared for the half-year, ending 31st Dec., 1846, on all shares entitled to the same, and that the same be made payable on and after the 30th April next.

4. Resolved,—That Yum, Malins, Esq., be re-elected a director of this company.

5. Resolved,—That the Rev. Thos. G. Hall be re-elected an auditor of this company.

7. Resolved,—That the best thanks of the meeting be given to the Rev. Thos. G. Hall and D. E. M'Rah, Esq., as finely settle which they have conducted the affairs of this company.

The Deed of Settlement is completed, and would have been laid before the meeting for execution, sut has been detained by the Basisters of Joint-Stock Companies; it will, however, it is conditionally expected, be ready for execution previous to the payment of the dividend on the 30th proximo.

3. Mansion-house-place, Lenden, March 31, 1846.

CMARTS ELLIPTICAL CONVEX METALLIC PADDLE MART'S ELLIPTICAL CONVEX METALLIC PADDLE FLOATS, FOR PROPHING STEAM-HIPS.—The very great appearantly of this yention over the common float, in all points, having been fully proved by its aso on arious steamers of from 50 to upwards of 500-horse power—and applications being nade for licensing several from steamers, from 70 to 300-horse power, the patentice condently recommends it to the Government and the public generally. Its superiority consists, in beauty of appearance, stability, durability, its property of reatly reducing vibration and undulation, inexpensiveness, powerful agency in checking ship in chance of collision—and what is of the greatest consequence, giving an immense crease of speed. All these must have a powerful influence, not only on steam prop) isometically of the stability of

SEYSSEL ASPHALTE COMPANY—CLARIDGE'S
PATENT—ESTABLISHED MARCH, 1838,
FOR WORKING THE MINERAL ASPHALTE ROCK OF PYRIMONT SEYSSEL,
A Bituminous Rock, situate on the Eastern side of the Jura.
PRINCIPAL DEPOTS:
ROUEN, MARKEILLES, AND STANGATE,
Surrey Side of Westminuter-bridge, London.

The ASPHALTE OF SEYSSEL has been EXTENSIVELY USED, since March, 1838, for the following useful purposes:

FOOT PAVEMENTS (public and other) MALT-HOUSE FLOORS

TOTAL PROPERTY (PUBLIC AND OTHER MALT-HOUSE FLOORS
PIGGERIES, &c. COVERING OF RAILROAD and OTHER

FOOT PAYEMENTS (public and other)
KITCHEN FLOORS
BASEMENTS—where it is essential to keep
damps from rising
GARDEN WALKS and TERRACES
CARRIAGE DRIVES
COACH-HOUSES and STABLING
DOG KENNELS
BARN FLOORS
TUN ROOM FLOORS
Note—The Several Ambalia Company are WALKS and TERHACES

E DRIVES

DUSES and STABLING

NELS

OORS

MFLOORS

he Seyssel Asphalte Company are prepared to enter into special contracts for on of railway work, and other public works of magnitude.

J. FARRELL, Secretary, Seyssel Asphalte Company, Stangate, Louden.

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replied to, that admit of no appeal, even to the most confidential friend." Exa.

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herrous debility or mental trritation, followed by observations on Marriage; the freatment of diseases of the generative system; illustrated with cases, &c., Ey J. L. CURTIS and Co., consulting surgeons, 7, & Fith-street, Soho-square, London.

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Curra on Massicoo and the patient and ded age, It is a medical publication, ably written, and developes the treatment of a chase painful maladies which has too long hean the pray of the filler and and developes th

sted to be as minute as possible in the detail of their cases,

Transactions of Scientific Bodies.

Society of Arts, Adelph Bolt-court, Fleet-street Somerset-house .4, St. Martin's-la Albemarle-street

SOCIETY OF ARTS. On Wednesday, the 22d April, the ordinary meeting was held at the society oms, Adelphi. RICHARD TWINING, Esq., F.R.S., presided.

ROYAL LIFE-PRESERVING AND SWIMMING APPARATUS.

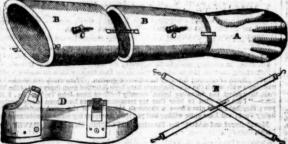
ROYAL LIFE-PRESERVING AND SWIMMING APPARATUS.

II. JOHN KEYSE, the inventer of a new life-preserving and swimming apparatus, submitted a paper to the following effect:—

"Previously to reading my specification, in explanation of this apparatus for saving life, in cases of shipwreck, and accidents from bathing, &c., I will briefly mention that the various inventions to support the human frame in the water, hitherto put in practice, have gone on the principle of giving buoyancy to the body, which is, to a certain degree, naturally buoyant, and have neglected giving it to the extremities, which are not buoyant. This latter being a desideratum, I have made my apparatus on that principle—that is to say, of giving a sustaining power to the extremities, as well as their natural freedom for locomotion; in doing which I have watched the formation of the amphibious, as well as the aquatic, tribes, which I hope will be clearly seen, after the explanation of my apparatus."

nation of my apparatus."

Mr. Keyse then put on the apparatus, as below, and read the specification word by word, pointing to the apparatus and some diagrams as he proceeded



DESCRIPTION. A.—Gloves, with the hands webbed and extended; thereby producing considerable power and buoyancy, exceeding vastly the propelling power of each natural hand in the ordinary method of swinning, giving entire freedom to the fingers, dispensing with the contraction of the hand, and relieving the individual from the effects of cramp, which is

A.—qiovas, with the indust websed and extended; thereby producing considerable power and buoyancy, exceeding vastly the propelling power of each matural hand in the ordinary method of swimming, giving entire freedom to the fingers, dispensing with the contraction of the hand, and relieving the individual from the effects of cramp, which is often produced through such causes.

B.—Air-tight contical armlets, connected to the gloves, and which are detached into three parts, very simply connected; thereby leaving the elbows and wrist joints to entire freedom of action when applied to use, by being drawn on to the arms and hands. The armlets are drawn up to the points of the shoulders and elbows, confining the power of buoyancy when inflated on the leavenge of the joints; thereby raising the individual power the surface of the waves of the sea, and keeping the head high, and the mouth free from the water. This inflation can be increased for providing additional buoyancy, when required, for protecting persons from drowning.

C.—Self-acting valves, for inflating the armlets. The ends to be placed between the lips, the nipple against the teeth, and forced back, opening the valve and blowing the air in at the same time. The nipple to be pressed down, when required to discharge the inflation, in cases of drowning, to preserve or secure the body. On rising to the surface, a new inflation will enable the diver to support the body, and the power of the apparatus to bring it schore; thereby dispensing with the difficulties attending life-boats.

D.—Cork elogs, secured by elastic strays and onchies; concave at bottom, possessing the powerful advantages of propulsion, and giving to the waveer the apparatus effect of pressing himself forward, as if forcing or projecting himself from some fixed substance, it, likewise, possesses the advantage of making considerable progress in treading water; thereby occasionally relieving the same from the pressing down of a reversed verying the logs from depressing. The incalculably valuable p

comach or back, sufficiently without any other exertion. The armiets alone are sufficient of support any person with clother on, as the armiets are placed in the most useful position imaginable. The gloves are of great assistance in propelling forward. Sir, if your pperatus were generally used us the Serpanting, for lives would be lost in that stream, twould be of great use likewise in the navy, when landing in boats in face of batteries, r through a beavy surf; and it is able to teach swimming superior to all other life precreers in existence.—Paulis Haggert Pleace, professor of swimming, Ramsgate.

"To John Keyse, Eq., 27, Crosby-row, Walworth, London."

significant control of the control o

A MEMBER thought that the cork jacket, or best, was presented by the Keyse's invention.

Mr. Keyse said, the evil of such encumbrances round the body was, that they gave too much gravity to the centre, and caused such an irregular motion to the extremities as impeded the progress of swimming, which was not the effect with his apparatus, which gave the buoyancy to the extremities; besides, the body must be swayed to and fro by tides and currents, which was of scrious consequence.

effect with his apparatus, which gave the buoyancy to the extremities; besides, the body must be swayed to and fro by tides and currents, which was of scrious consequence.

A MENBER said, the cork clogs were more likely to be an impediment. Mr. Keyse begged to refer to Mr. Pierce's letter on that point. The clogs were a means of propulsion, and only gave such a buoyancy to the legs as brought them to an angle of 224°, whilst the natural position in swimming say 45°. Then, there was their power in treading water, as stated in the letter, as most important; besides their utility in preserving the feet on rocky shores, and saving them from depressing in the sand, by their concavity.

In reply to the Chairman, Mr. Keyse stated that Mr. Pierce had pledged to swim from Calais to Dover with this apparatus in the approaching summer.

Mr. JAMES GRAY said, allusion had been made to its use in the Serpentine. He thought this apparatus would be highly valuable to the gentlemen of Eton College, who were accustomed to bathe in large numbers in extremely dangerous parts of the Thames. Accidents were often occurring, when they had only the drags or life-buoy; were the watermen supplied with an instrument of this sort in cases of danger, life might easily be saved. Thinking it a very important subject, he had directed the attention of Dr. Hawtree, and other gentlemen of the College, to Mr. Keyse's invention, as very applicable to that large establishment, where bathing was so extensively practised.

Mr. Keyse stated, that the average annual loss of British seamen was from 1600 to 1800 persons; and that were his apparatus used on board of vessels, instead of relying on assistance from shore, he was confident that one-half of that number might be saved annually. (Applause).

The Charkman said the matter was too important to be decided one way or the other at that meeting. It must be left as a subject for the consideration of the Committee of Mechanics, who would report on the value of such an apparatus. He thought, however, that

A ROTARY STEAM ENGINE is now exhibiting at the Polytechnic Institution, which is applicable either to a stationary or locomotive purpose. It is worked by atmospheric pressure, upon a circular railway 25 feet diameters worked by atmospheric pressure, upon a circular railway 25 feet diameters worked by atmospheric pressure, that even practical men are at a ter; and so compact is the arrangement, that even practical men are at a loss to discover its mode of operation—for there is nothing to be seen exloss to discover its mode of operation—for there is nothing to be seen except the cylinder and wheels; the rest of the machinery being inside the cylinders. The arrangement consists merely of the ring of a drum—the inner surface of which is concaved across; over the concavity is laid a piece of flexable material, called metallized cloth, which is merely cloth dipped in a solution of metal, which renders it not only durable and strong, but also impervious to water or steam. At one part of the circumference of the drum, the cloth is held firmly against the concavity by a strap—on each side of which there is an orifice; one for the admission, the other for the escape of the steam. If, then, steam be allowed to cuter the former orifice, it will traverse the circumference of the drum, between the metal and the cloth, until it escapes through the other orifice, producing considerable expansion in the cloth; but by causing the roller [so formed as to fit the concavity] to prassagainst the cloth, holding it firmly against the drum, the steam, in its attempt to expand the cloth, will propel the roller before it, and this roller, being fixed to the end of a lever, gives motion to the shaft receiving through it the axis of the drum. The arrangement is rather difficult to be understood without the aid of drawings,—but heing once seen, can be understood by the most unlearned in mechanism.

The Swiss Exposition of Expustrate—On Monday, the 3d of Angust next, will be opened in the city of Zurich, the general exhibition of the industry of Switzerland, being she lifts that has as yet taken place in the helvetic confederation.

Naw Iron Mixe in France.—A rich from mime has been discovered in the envirous of Nancy, on the territory Maxeville and Champignenlles. The extent of the bed is 286 hectares, and may be about 3 feet in thickness, which may be considered to yield at least 2,000,000 lbs. of ore.

Mining Correspondence.

BARRISTOWN.—April 24.—The lode in the 18 fm. level end, west of flat rod shaft, is 2 ft. wide, producing 2 tons of ore per fm.; the lode in the eastern end, at this level, is 18 in. wide, producing about 2 tons per fm. The lode in the winze, west of flat rod shaft, sinking under the 12 fm. level, is 4 ft. wide, and produces over 3 tons per fm. The middle lode, in the adit end, is about 2 ft. wide, producing stones of ore. We have a cross-cut, south of engine-shaft, at the 24 fm. level, which will intersect the middle lode, and drain the piece of ground between Nangles' shaft and the mine. We have not yet cut the lode in footway shaft—the pitches look well. We commenced working the crushing mill on Thursday; it will get through 40 tons of stuff a day, with all possible case to the engine—indeed, the motion of the engine is much more regular since we attached it. The carbonate of iron is kept distinct from the lead, and requires no further dressing for shipment; the quantity producing at present is very small.—Thomas Angove.

BEDFORD UNITED.—April 28.—At Wheal Marquis, there has been no ENGLISH MINES.

very small.—Thomas Angove.

BEDFORD UNITED.—April 28.—At Wheal Marquis, there has been no lode taken down in the 80 fm. level east. The lode in the 70 fm. level, east of the slide, is 2 ft. wide, composed of gossan, spar, and ore; the lode in the stopes, in the bottom of this level, is worth 161, per fm. There has been no lode taken down in the 58 fm. level east. At Ding Dong, there is no alteration in the 24 fm. level west since my last. At Wheal Tavistock, Phillips's engine-shaft is now completed to the 47 fm. level, and the sumpmen commenced cutting plat, &c. The lode in the 35 fm. level east is 1 ft. wide, composed of mundic and ore; in this level west the lode is 2 ft. wide, producing some good stones of ore. The lode in the south engine-shaft is from 4 to 5 ft. wide, composed of iron and good stones of copper ore.—JAMES PHILLIPS.

CALLINGTON.—April 27.—At Johnson's engine-shaft the men are now

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iron and good stones of copper ore.—JAMES PHILLIPS.

CALLINGTON.—April 27.—At Johnson's engine-shaft the men are now engaged fixing a plunger-lift at the 112 fin. level. In the 100 fin. level, both north and south, we are opening tribute ground. In the 90 fin. level driving south the lode looks very promising—the back will set at 5s. in the 1L; in the north end, the ground we are driving through will set at 7s. in the 1L. In the 80 fin. level north the lode is producing silver-lead ores. In the 90 fin. level, driving south from the nor.h engine-shaft, the ground is rather harder than usual; the lode is producing silver-lead ores. In the 80 fin. level the lode continues productive, leaving ground that will set at a moderate tribute. In the 70 fin. level driving north we are opening ground that will set at 8. in the 1L; in the south end the lode is producing silver-lead ores. Kelly Bray lode, at the 90 fin. level, is intersected and hove by a slide.—J. T. PHILLIPS.

EAST WHEAL ROSE.—Accounts presented at the two monthly meeting,

held 20th April :		COL		presented at the two monthly me	CLL	161
Jan.—To costs this month Surgeon and club	£2264		6	By balance of the last account £2728 Jan. 9—Proceeds of lead ore,	1	7
Feb.—Costs this month	2039		10	sold this day 1993	14	0
Surgeon and club	30	10	9	23-Ditto ditto 2984	19	4
Bills these months	1728	4	7	Feb. 6-Ditto ditto 3256	17	11
Coal ditto	85	6	9	20-Ditto ditto 2957	11	4
Dues	729	3	7	Diff.in weight of ore Nov., short,		-
Income tax	100	0	0	credited last account 63	8	10
Dividend, 40%. per share	5120	0	0	Cargall adventurers-agency,	-	
Balance	2470	16	2	water charge, &c 86	12	4
				Spare materials, sold at the mine 195	12	2
				A 36-inch engine, sold 353	0	0
Total	14 500	17	-	Total CLASON		_

Total£14,599 17 6 Total£14,599 17 6 EAST TAMAR CONSOLS.—April 27.—At Whitsun, our shaftmen are driving the 46 fm. level south, on purpose to try to hole to the whole workings made in the bottom of the 36 fm. level, as there would be no chance for them to escape, if they were working under the 46 when holed; the lode in this level north and south is looking very kindly. The lode in the 36 fm. level north is in slidy ground; I have set a pitch in the back of this level at 5s. in the 1l. for lead. Our survey day being last Saturday, I have set four pitches more—one at Furzehill, by six men, who have engaged to raise 6 tons of lead ore at \(\frac{1}{2} \)d. in the 1l., to have 4s. in the 1l., what is risen above the remaining part of the month. We have sampled 42 tons of silver-lead ores.—B. ROBINS.

month. We have sampled 42 tons of silver-lead ores.—B. Robins.

GREAT WHEAL MARTHA CONSOLIDATED.—April 22.—The lode in the 60 fm. level east is 5 ft. wide, composed of capel, spotted with copper ore. We are inclined to believe that a part of the lode is now standing in the north, as a large quantity of water issues from that part; we propose cutting into it next week. At the new mine, the ground in the 20 fm. level east continues favourable; we are still driving on the hanging wall of the lode, occasionally opening on the latter. The lode in the eastern end is 8 ft. wide, composed of capel, with copper and mundic thickly disseminated throughout. The stopes in the back of this level being at present almost wholly composed of mundic; and an insufficiency of air preventing our working both them and the end to advantage, we considered it expedient to suspend operations here, in order to expedite driving the end west, it being many fins, from (short of having reached) the 10 fm. level end, where the lode continues of a most promising description. The pitch in the back of this level has not produced much ore during the present month, the tributers having been rising through a part of the lode, consisting principally of mundic. We are, however, glad to add, that the last stope has, as we anticipated, proved productive of good results, and the uen are working with a full expectation of earning good wages. The engine, which was set to work on the day mentioned in our last report, is doing well. You will have perceived, by our yesterday's setting report, that the sumpmen have contracted to sink the new engine-shaft 10 fms. for 150L, the cost in whim draining and landing included.—J. PRINCE. T. PENALUNA.

GUNNIS LAKE.—April 28.—The lode in Bailey's engine-shaft (now 6 fms. 4 ft. under the adit level) is upwards of 2 ft. wide, composed of gossan and spar, with spots of copper ore occasionally—a very prumising lode. The lode in the 10 fm. level, east and west of western shaft, is 2 ft. wide, opposed of spots of thin in plac GREAT WHEAL MARTHA CONSOLIDATED.—April 22.—The lode in

mundic.—WILLIAM RICHARDS.

HARROWBARROW CONSOLS.—This mine is considerably improveda lode having been cut to the north of the Wheal Brother's lode in the dep adi
4 ft. wide, 2 ft. of which is good stamps work; the Wheal Brother's lode at th
point is about 1 ft. wide, composed of flookan, carbonate of iron, and spar. W
have holed the deep adit to Brewer's shaft, and we are now clearing up th
shaft.—B. COOKE.

shaft.—B. COOKE.

HANSON.—April 27.—In reporting on these mines this week, I beg to say, that, at Treza, the sump whim-shaft is holed and completed to the 22 fm. level, and our sumpmen are now cutting a fork under the 22 fm. level, at the engine-shaft, to fix a forcing lift in. The 12 fm. levels (cast and west) are suspended for the present, and the men are put to drive the 22 fm. level east and west of the engine-shaft, on Stainsby's lode, in which ends the lode is kindly, with some ore. At Hanson we have cut a branch at the 64 fm. level, north of the engine-shaft, which is poor for ore; but, from the quantity and pressure of water which we have, we expect to cut the main part of the lode soon. The 54 west, on Kib lode, the lode is 20 in. wide, with much mundic, and a great deal of iron gossan—a kindly lode, but unproductive.—Z. WILLIAMS.

HAWKMOOR.—April 28.—I beg to inform you that the lode in the 15 fm.

we have, we expect to cut the main part of the lode soon. The 54 west, on Kib lode, the lode is 20 in. wide, with much mundic, and a great deal of iron gossan—a kindly lode, but unproductive.—Z. WILLIAMS.

HAWKMOOR.—April 28.—I beg to inform you that the lode in the 15 fm. level, east of Hitchins's engine-shaft, is about 1 ft. wide, composed of capel and spar, producing stones of ore in places.—P. RICHARDS.

HOLMBUSH.—April 28.—The shaftmen are still engaged in completing Hitchins's shaft, the lode is 15 in. wide, and worth 18k per fm. In the 100 fm. level, west of Hitchins's shaft, the lode is 15 in. wide, and worth 18k per fm.; in the 100 fm. level vest, on the south part, the lode is 16 in. wide, composed of spar, mundic, and stones of ore; at this level, driving south, the lead lode is 6 ft. wide, composed of spar and flookan, with spots of lead; in the same level, driving north, the lead lode is 3 ft. wide, composed of spar and flookan; the lode in the stopes, in the back of this level, on the north part, is 2 ft. wide, and worth 25k per fm.; in the 100 fm. level, west of Wall's shaft, the Flanjack lode is 2 ft. wide, composed of spar, mundic, and spots of copper ore. In the 90 fm. level, west of Hitchins's shaft, on the north part, the lode is 1 ft. wide, pro-lucing stones of copper ore; in the same level, driving west, on the south part, the lode is 10 in. wide, and worth 6k per fm.; in the 90 fm. level south, the lead lode is 3 ft. wide, composed of flookan, spar, and spots of lead. In the 80 fm. level south, the lead lode is 3 ft. wide, composed of flookan, spar, and spots of lead. In the 80 fm. level south, the lead lode is 3 ft. wide, composed of flookan, spar, and spots of lead. In the 80 fm. level south, the lead lode is 3 ft. wide, composed of flookan, spar, and spots of lead. In the 80 fm. level south, the lead lode is 3 ft. wide, composed of flookan, est part.

LANIVET CONSOLS.—April 24.—Elizabeth shaft has been sunk 1 fm. this past month; our progress has been retarded here by means of breaking

LEWIS.—April 25.—Wh. Nutt engine-suaft is 6 fms. 3 ft. under the 50 fm. level, ground favourable; the lode is 1 ft. wide, producing some tin—a kindly lode. The lode in the 50 fm. level end east is 2 ft. wide, worth 5L per fm. for tim—a very promising lode. The lode in the 50 fm. west is 2 ft. wide, yielding some tin. The lode in the 40 fm. level west is 2 ft. wide, producing some stones of good quality yellow ore—a very kindly lode; the 40 fm. level end east we shall now be enabled to resume, as we have holed copper ore shaft to the same level. The lode in the 30 fm. level east is 3 ft. wide, yielding some tin, with spots of yellow ore. The lode in the 20 fm. level west is 2 ft. wide, worth 50s. per fm. for tin. The lode in the 10 fm. level west is 2 ft. wide, worth 50s. per fm. for tin; the back over the same level is working at an average tribute of 7a for saving the tin.—S. S. Noell. P. EDDY.

SILVER VALLEY.—April 27.—I beg to say that the tin lode, in the en-

of 7a for saving the tin.—S. S. NOELL. P. EDDY.

SILVER VALLEY.—April 27.—I beg to say that the tin lode, in the engine-shaft, is 3 ft. wide, composed of peach, capel, par, jack, and mundic, producing some saving work. The lode in the 30 fm. level west is 1 ft. 6 in. wide, composed of capel, mundic, and peach, containing some good tin work; the lode in the eastern end is 1 foot wide, composed of capel and spar. The lode in the 20 fm. level west is divided by a horse of killas; the north, or main part, is 1 ft. 6 in. wide, composed of capel, spar, and peach; and the south part, which is capel, spar, and jack, is 8 in. wide, At the south shaft the 40 fm. level is cleared 3 fms. east; the lode is 9 in. wide, composed of flookan and killas. At the 30 fm. level the ground in the cross-cut, towards the copper lode, is changed, and is much more favourable for driving. The silver lode, in the stopes in the back of this level, is just as stated last week, being 1 ft. wide, with a branch on the south side, containing some grey and native silver. The 20 fm. level west is cleared 16 fms.; the lode we can see in places is about 1 ft. wide, composed of mundic, spar, and flookan. At Wheal Sisters we are clearing a run in the shallow adult level, and expect to get through shortly to examine the lode eastward.—S. Richards.

shallow adit level, and expect to get through shortly to examine the lode eastward.—S. RICHARDS.

TAMAR SILVER-LEAD.—April 27.—The engine-shaft is sunk about 5 fms. below the 145 fm. level; the lode in the shaft is small and poor. In the 145 fm. end the lode is 6 in. wide, composed of capel, with spots of ore. In the 135 fm. level the lode is 7 fs. wide, yielding work of a good quality; in the north end, at this level, the lode is 1 ft. wide, 6 in. of which is good work. In the 125 fm. level the lode is 25 ft. wide, orey throughout. In the 115 fm. level the lode is 18 in. wide, work of a promising description. In the 105 fm. level the lode is 9 in. wide, producing good stones of ore. In the 95 fm. level the lode is 9 in. wide, producing good stones of ore. In the 95 fm. level the lode is small and poor. We expect to sample on Friday, the 1st May, about 80 tons of rich silver-lead ore. At North Tamar, in the rise in the back of the 60 fm. level the lode is 6 in. wide, composed of can and ore.—James Spracue.

TAVY CONSOLS.—The committee met on this mine on Thursday, the 23d April, and were highly pleased with the improvements which has taken place, both in the end and in the winze; the lode in the end is much larger than it has been—now 4ft. wide, composed of a good-looking spar, mundic, peach, and ore, and not quite so hard as it was; the winze is now about 14 fms. from surface—the water is but very little; the lode is about 3\frac{3}{2} ft. wide, with a horse of killas in it, but the north and south part is composed of spart, peach, mundic, and ore. Among the committee were several mining agents; it was agreed to continue sinking and driving until we could report some further alterations. Some of the gentlemen of the committee, who lived in the neighbourhood, were requested to call as often as they conveniently could, which they promised to do.—B. Cooke.

requested to call as often as they conveniently could, which they promised to do.—B. COOKE.

TINCROFT.—April 27.—I can speak of nothing particularly of new appearances or prospects of these mines since my last report. The 90 end east is home to the cross-course, beyond which, in the level above, we had a good lode for copper ore—we shall now have to drive 5 fms. south to find the lode to the east of said cross-course; the 90 west is now passing through a hard channel of ground, similar to what we passed through in the level above, beyond which we have some of our best tribute ground; in this hard ground we find but little ore. The 80 east and west, and also the 70 west, are laying open ground that will work at a moderate tribute. The 70, 60, and 50 ends east, are producing tinstiff; the 60 and 50 west are producing but a small quantity of copper ore; some of our pitches in this part of the mine have improved during the past week. At Palmer's, the lode in the 70 west is 4 ft. wide, 20 in. good ore, worth 25t. Per fim., leaving good backs and bottoms; in a winze, sinking under the 60, immediately over this end, the lode is worth 10t. per fm.—this first winze is 5 fms. below the 60; 10 fms. to the west, we have another winze 6 fms. below the level, in which the lode is 6 ft. wide, worth 20t. per fm.; 10 fms. west from this last winze, we have another winze 6 fms. below the level, in which the lode is 6 ft. wide, worth 20t. per fm.; in every winze the lode appears to improve as we sink. The 60 west is producing some ore, and kindly; our pitches on this lode continue to produce fair quality work for copper ore. In the south mine, the engine-shaft, sinking below the 152, is worth 60t. per fm. for tin; the 152 end east is worth 20t. per fm.; the same level west is worth 50t. per fm. The 142 east is worth 20t. per fm. The 120 east is worth 50t. per fm. The 120 east is worth 50t. per fm. The 190 is worth 10t. per fm. 10 fms. from surface.—W. Pauls.

TRELEIGH CONSOLIDATED.—April 24.—The 100 cross-cut, north of Christoe d

to say, that our prospects continue good. The ground in the new shaft continues favourable—now nearly 10 fms. from surface.—W. PAUL:

TRELEIGH CONSOLIDATED.—April 24.—The 100 cross-cut, north of Christoe, driving in the country towards-Christoe lode—the distance uncertain. In the 90, east of ditto, the lote is 3 ft. wide, worth 30. per fm. at least—a very kindly end, 12 fms. to boundary; in the 99, west of ditto, the lode is 8 in. wide, no mineral. In the 80 cross-cut south we have cut several branches, but small; this is to intersect the south part of Christoe lode. In Garden's shaft, below the 80, we have 4 ft. more to sink to the 90 fm. level; we intend to commence taking down the lode on Monday next, it looks well—more particulars next week; in the 80, west of Goodfortune, the lode is 2 ft. wide, producing good stones of ore, and a kindly appearance. In the 70, west of ditto, the lode is 4 ft. wide, producing some ore, and very promising; we are daily expecting ore. In the 60, west of Symons's, the lode is 2 ft. wide, worth 6L per fm., and very promising. In the 20, west of ditto, the lode is 2 ft. wide, worth 6L per fm., and very promising. In the 20, west of ditto, the lode is 1 ft. wide, unproductive; in the adit, west of ditto, the lode is 3\frac{1}{2}\text{ ft. wide, producing some good ore; the west shaft, sinking in the country, is about 20 fms. west of ditt end.—W. Symons's the north part of this sett

Is about 20 fins, west of adit end.—W. SYMONS.

TRELAWNEY CONSOLIS.—In shoding across the north part of this sett (land which has heretofore been considered glebe), we have cut four lodes, three of them are from 2 to 2½ ft. wide, and the other is 4 ft. wide, a good gossan lode; in shoding still further south, we have cut a floor of gossan, about 2 ft. thick, just on the top of the shelf, or fast rock, which indicates a strong lode a-head of us, and 1 think this floor of gossan is thrown down the hill from it. We have commenced sinking on the great lode, and have six men shoding in this ground.—B. COOKE.

it. We have commenced sinking on the great lode, and have six men shoding in this ground.—B. Cooke.

TRETOIL.—April 28.—The lode in Henwood's shaft, sinking under the 70 fm. level, is 15 in. wide, composed of capel, spar, and good stones of yellow ore. In the 70 fm. level east the lode is 1 ft. wide, producing ore, and opening ground for tribute; ditto west, the lode is 29 in. wide, which will also set on tribute. In the 60 fm. level east the lode is 9 in. wide, which will also set on tribute east than the 60 has been driven. In the 60, west of Williams's shaft, the lode is 15 in. wide, producing a little ore. In the 50, east of Henwood's, the lode is 16 in. wide, at present unproductive. Tregellas' I de, on which we are driving east (at the 40 fm. level, south of Russell's shaft), is one foot wide, producing a small quantity of ore. We have cut another lode, or part of this lode, in the 40 cross-cut, 4 fms. further south; it is about 6 in. wide, composed of ore and spar, and more kindly than the first part. This lode also underlays north, and, from its present direction, will unite with the other in driving east; we have only intersected it a few days since.—H. WILLIAMS.

UNITED HILLS.—April 28.—In the 90 fm. level we have cut through the north lode, which is 2 ft. wide, good ore; we are now driving to cut the south lode. In the 80 fm. level, in this rise, the lode is 4 ft. wide, croy throughout, of low quality. In the 70 fm. level we have cut no lode as yet; in driving south, east of eastern shaft, at this level, the ground is a little improved since last week; west of James's shaft, the lode is 3 ft. wide, producing but little

of low quality. In the 70 fm. level we have cut no lode as yet; in driving south, east of eastern shaft, at this level, the ground is a little improved since last week; west of James's shaft, the lode is 3 ft. wide, producing but little ore; in the diagonal shaft, there is no alteration since last reported. In the 60 fm. level, east of eastern shaft, the lode is 2 ft. wide, 1 ft. ore of fair quality; in the stopes, east of Harper's winze, the lode is 3 ft. wide, 18 in. ore of average quality; in the stopes, east of Harper's winze, the lode is 3 ft. wide, 8 ft. ore of average quality; in the 50 fm. level eastern end the lode is 18 in. wide, coarse in quality; in the 50 fm. level eastern end the lode is 18 in. wide, coarse in quality; in the crosscut, we can report no alteration. At Wheal Charles, in the 50 fm. level, the lode is 18 in. wide, producing some stones of ore. In the 40 fm. level the lode is 18 in. wide, 1 ft. ore of low quality. At Wheal Sparrow, in the 40 fm. level, the lode is 2 ft. wide, not producing any ore. In the 30 fm. level the lode is 18 in. wide, 1 ft. ore of average quality.—T. Trevenen.

WEST WHEAL JEWEL.—April 27.—The ground in the 115 cross-cut is more favourable for driving; we have opened a little, east on the branch cut in this cross-cut, in the past week, and find it increasing in size—now 1 ft. wide, and of a very promising appearance. At the 100 fm. level west, on ditto, the lode is 1 ft. wide, containing stones of ore. At the 85 fm. level west, on ditto, the lode is 1 ft. wide, containing stones of ore. At the 85 fm. level west, on ditto, the lode is 10 in. wide, composed of gossan and spar. The ground in the 85 cross-cut is favourable for driving. At the 12 fm. level west, on ditto, the lode is worth 10 ft. Per fm. At the 70 fm. level west, on ditto, the lode is worth 81 per fm. At the 12 fm. level west, on ditto, the lode is worth 81 per fm. At the 12 fm. level west, on ditto, the lode is worth 81 per fm. At the 12 fm. level west, on ditto, the lode is worth 81 per fm. At the

WHEAL BUCKETTS.—At a meeting of adventurers, held the 20th April, the following accounts, to the end of March, having been examined, it was resolved,—That they be allowed, and a deposit of 5t per share be at once paid

MINING IN CORNWALL AND DEVON .- No. IV.

MINING IN CORNWALL AND DEVON.—No. IV.

CARN BREA MINES—These mines are situate in the parish of Illogan, tear
Redruth, in the county of Corawall, immediately east of Tincroft, Cook's Kitchen, Dolcoath, and Stray Park Mines, bounded on the north-west by East Poof,
East Wh. Crofty, North Roskear, South Roskear, and Wh. Seton; on the southeast by South Wh. Basset, and North Wh. Basset, and forming a continuation
east with Wh. Union, Penandrea, &c. Sixteen lodes have been discovered, of
which seven have been opened, and partially worked upon; the principal lodes
are those known as the Druid, Dobree's, Vigura', north lode, Teague's, Hichens's, and the Highburrow. The extent of the sett is 1000 fma. on the run
of the lodes, and about 400 fms. in a north and south direction. The company,
for working the mines, is divided into 1000 shares, on which 15t, per share has
been paid; the mines being held under Lady Baset, at 1-24th dues: the returns made during the past 10 years have amounted to 500,000t, the dividends
since the resumption of the working of the mine being 135,000t, on a capital
of 15,000t, the dues paid amounting to nearly 25,000t. The number of engines
employed is 11—consisting of two pumping engines, 76 and 50-inch cylinder,
one of 36-inch, the remainder being 24 and 18-inch; the power being equal to
full 300-horse power, including steam stamps, crushing machine, &c. The ore
produces from 9 to 10 per cent., averaging 6t. 5s. per ton, and several of the
lodes are productive of tin of good quality; the sales during the past 12 months,
ending December, have been 6674 tons copper ore, yielding 39,422t. 14s., besides the tin (about 12,000t.), which is disposed of by private contract. The
mine is carried on on the cost-book system, under the management of a London committee, composed of Messrs. George Dobree, L. Vigurs, W. Harrison,
J. Macdonnell, and H. Alston; the offices are 35, Broad-street-buildings—Mr.
Feming, secretary. The discoveries now making we learn are fully equal to
double the quantity MINING IN CORNWALL AND DET CARN BREA MINES—These mines are situate in the parish of Illogan, near

and is divided into 256 shares, on which 2800L has been called for; the sum of 45,000L having been divided in the shape of profits. Ten lodes, producing copperand tin, have been discovered; and six partially worked upon, which, from their direction, are considered to be on the run of the lodes worked in the Consolidated and United Mines. There are three pumping engines, and three whim engines. The produce of the mines for copper, as shown by the Ticketing Papers, for the three months ending 25th March, was 561 tons, yielding 3092L is. 6d. The mine is held on lease under Lady Basset, at 1-15th dues. The sett extends about 750 fms. on the run of the lodes, and nearly 600 fms. north and south. The management is confided to Capt. W. Richards, and the mine worked on the cost-book system. Meetings are held at the count-house on the mine every alternate month, and the accounts then examined and passed. Every share represents a vote, whether in person or by proxy. The average produce of the ore is 8 to 9 per cent.

CUBERT SILVER-LEAD MINES.—This undertaking is situated in the parishes of Cubert and Perranzabuloe, in the county of Cornwall; it includes the acts and is divided into 256 shares, on which 2800L has been called for; the sum of

CUBERT SILVER-LEAD MINES.—This undertaking is situated in the parishes of Cubert and Perranzabuloe, in the county of Cornwall; it includes the aetts of Trebiskin, Trebellan, and Treworthen, held respectively from John Oats, Esq., Sir Richard Vyvyan, and the Earl of Falmouth, at dues of 1-16th and 1-18th, and comprises a length, on the course of the lodes, of about 600 fms. The operations of the present company commenced in the autumn of 1844, on the Trebiskin lode, which had been previously extended on at the adit level, for about 90 fms., and the backs worked away for a considerable length. A shaft had also been sunk by the "old men" to 6 fms. below the adit, and the lode cut at that place. The lode at the adit level is composed of gossan, soft spar, or quartz, strongly impregnated with carbonate of lead, and containing irregular masses of sulphuret of lead. An elvan-course is crossed obliquely by the lode, with a very beneficial effect, as was also well shown by the workings in the adjoining Trebellan Mine (now part of this property), sunk by the old adventurers to a depth of 45 fms. under the adit, and having a good course of lead in the elvan throughout. The Trebiskin lode has been cut at a depth of 15 fms. below the adit, and extended on about 60 fms., producing lead through most of that distance, though still partially accompanied with gossan and carbonate of lead. The lode, where in the elvan, is very good, and is now being worked in the back on tribute, by six men, at 21 fds. per ton. Other tributers are also working in the back of this level at a moderate tribute, and the ends driving are opening ore ground. The engine-shaft is down to a 25 fm. level, and the cross-cut being driven to cut the lode, which will probably accomplished in two months, and each succeeding level will be nearer the shaft. The engine is of 36 inches cylinder, and is situate near the foot of the hill, overlooking an extensive flat, through which the lodes run; and the mine, buildings, and dressing-floors, situated on the slope, g of Cubert and Perranzabuloe, in the county of Cornwall; it includes the setts being the secretary.

[FROM CORRESPONDENTS.]

[FROM CORRESPONDENTS.]

PENNANT LEAD AND COPPER MINING COMPANY.—Under the suspices of an highly influential committee of management the Pennant sett has been taken up, and on which vigorous operatuous have been commenced. The set extends over about 900 acres, and is situate in the centre of the iordahip of Mowddwy, in the county of Merisneth, which is admitted to be one of the richest mineral deposits in the principality, and is held under lease from the lord of the said manor, at the usual royalty of 1-10th, for a term of 21 years, renewable for the same period, on payment of a fine, and is conducted on the cost-book system. This mine is in the immediate vicinity of Craigwan, Abercowarch, Feel Rhydd, and Cowarch Mines, which are all in course of the most astisfactory working, producing o.e., yielding from 70 to 80 per cent. of lead, in addition to a considerable quantity of silver. Nearly all the lodes in the above setts pass through Pennant, from whence equally favourable results are anticipated. They backs of several of the veins have been opsied on, and an adit is in course of driving to intersect lodes 2, 3, 13, and 16, and as a grand cross-cut of the veins generally. There is an abundant supply of water applicable to all mining purposes, and the many railways projected, now before the public, in this district, when completed, will afford cary, direct, and rapid communication for the transit of ores to shipping ports and smelting-works.

which will wholly supersede the necessity of water carriage. The lodes being in the mountain, will admit of driving deep adits, thereby unwatering the backs to a great extent. Twenty-two lodes have been discovered, of which the following particulars have been given by Mr. C. Dean, mineral surveyor.

—"No. 1: lead lode—discovered in the brook to the north of Llauymowddwy Church, where it is 1 ft. to 3 ft. wide, and composed of flookan and spar, with crystals of lead. No. 2; lead lode—discovered in Cowarch sett, to the northesast of this sett, where it is about 3 ft. wide. No. 3: lead lode—composed of quarts, lead, and barytes. No. 4: lead lode—from 6 to 6 ft. wide, said underlay onst absure 2 ft. in a fin. the log composed of spar, barytes, and lead; they are very primising lodes, and are likely to produce abundance of lead within a few fathoms in depth. Nos. 8 and 9: lead lode—varying from 6 to 4 ft. wide; but as little has been seen of it, it cannot be accurately described. No. 10 is to be seen in Cowarch deep adit, and is 1 ft. wide, and suderlays north 2 ft. in a fin., and is very congenial for lead. No. 11 was also ent in Cowarch deep adit, and produces very fine lead man the surface in the mountain in this sett, underlaying north. No 12: large lead gonaan—19 to. 12 ft. wide; it was discovered in the Llaith-Nant, and is the stream, and composed of mundlet, spar, and lead, nitsed with particles of copper, underlaying cast 2 ft. in a fin., with every prospect of producing abundance of lead. No. 18 was also discovered in the Llaith-Nant, and is about the name size of similar composition and underlay. No. 14: valuable lead lode—from 4 so 8 ft. wide, and underlays south about 2 ft. in a fin.; it runs through the set south-seat and south-west apwards of a mile and a half in length; the national substitutes of the boundary of the 5 ft. wide, and underlays east about 2 ft. in a fin.; it runs through the set south-seat and south-west apwards of a mile and a half in length; the negative with mice and manicie, which a

BACHELOR'S HALL.—They are driving the deep adit end; a work of time-it will ultimately be a work of profit.

The Carn Brea Mines sampled on Tuesday last 758 tons.

GREAT WHEAL WILLIAMS.—They are driving the adit end—ground favour-able for driving; the lode is showing some spots of lead.

PENCORSE MINE.—Accounts have been received mentioning the mine as looking well at present; the lode in the west end is about 8 ft. big, all saving work, composed of jack, mundic, copper, and flookan. The strata is very congenial for metal.

VIRTUOUS LADY .- They have commenced raising some copper ore, and hope

WHEAL CALSTOCK.—They are about to commence sinking an engine-shaft at the great gossan lode, in the southern part of the sett, and an adit has been riven thereunder; the end is about 20 ms. below the surface, and a second uch deeper; in both ends the lode is large, composed of fluor-spar, mundic, each, and ore. They would have commenced before this, but an act, passed at the 9th of August, 1844, prevents their driving it for another week.

on the 9th of August, 1844, prevents their driving it for another week.

Wheal Holwell Copper Mine.—This mine is situated in the parish of
Stoke Climsland, in the eastern part of Cornwall. A very fine lode has been
lately discovered by Capt. Samuel Floyd, from 12 to 14 ft. wide, composed principally of first-rate gossan, intermixed with prian, mundic, and beautiful spar.

Many mine agents have inspected the lode, and pronounced the back of it
equal to that of the Great Wheal Maria, which is in the immediate neighbourhood; this sett is very extensive, and granted by the Duchy of Cornwall for a
term of 21 years, at 1-15th dues.

WHEAL KELLY CONSOLS MINING COMPANY.—These setts are situate in the parishes of Dunterton and Bradstone, in Devonshire, four miles north of Wh. Maria, three miles north of Lamerhooe, and three miles west of Wh. Walter, and bounded by the Tamar, on the west, for three miles; they contain a number of lodes of copper and lead, towards which several adits have been company by the forward of mount their paragraphs. ber of lodes of copper and lead, towards which several adits have been commenced by a former company, but for want of means they never reached the lodes. The mine is held under lease for 21 years, at 1-15th dues, is divided into 2048; shares, and is to be worked on the cost-book system; 11. per share is to be paid to obtain the setts, and to cover all incidental expenses; and calls for working the mine are to be made by the shareholders, at meetings to be called for the purpose. These extensive setts have been inspected by Mr. Jonathan Davey, in which, after enumerating the various lodes, which give highly favourable appearances, both for copper and silver-lead, he concludes, by recommending a general search for other lodes, by costeaning through the setts. The mine being bounded by the river for three miles, gives the greatest facility for deep adits; there is a good road through it, communicating with the quays, on the navigable part of the river, giving great facility for the transit of ores and materials; and from the sett being in a rich mining district, he recommends a spirited prosecution.

WHEAL MARY (Calstock).—The water is in the sump, and the men are driving the 20 fm. level.

no not control of the control of the

WHEAL MARY (Calstock).—The water is in the sump, and the men are driving the 20 fm. level.

WHEAL Mexico.—They have set a water-wheel at work, to pump the water out of the western part of the sett; she does her work for the present. I fear she won't go very deep.

WHEAL TRELAWNEY.—The length of this sett is about 360 fms. on the course of the lode, the engine-shaft being about 60 fms. from the south boundary. The 12 fm. level has been driven 72 fms north of the shaft, and 50 fms. south—total, 122 fms. The 22 has been driven 55 fms. north, and 50 fms. south—total, 105 fms. The 22 fm. level has been about driven 3 fms. The 12 fm. level is now driving by two men. The 22 fm. level sidviving by six men; the bottom of this level is standing all in whole ground from north to south; the ends for 105 fms. in length, and a fine productive lode all the way, and one that scarce varies an inch in size or underlie for that distance. The 12 fm. level is driven to within 2 fms. of the south or Wheal Mary Ann boundary. The 22 is driven to within 3 fms. of the boundary of Mary Ann. After a communication is made from the 22 to the 32 fm. level by winses, it is calculated that 120 tons of legit per month can be raised from the mine, the present raisings being about half that quantity. It will take six months to see the lode at another level, the 42.

WHEAL TREVENSA MINE.—The lode in the adit level has been driven to

that quantity. It will take six menths to see the lode at another level, the 42.

WHEAL TREVENNA MINE.—The lode in the adit level has been driven to
the extent of upwards of 100 fms., and has produced some excellent bunches
of copper ore. On a late survey by practical mine agents, it was reported to
be worthy of trial at greater depth; and at a meeting of the adventurers, held
this week, it was resolved to do so, and the necessary operations and machinery
were ordered for the purpose. There are other lodes running through the set
at the junction of killas and granite, which have not yet been opened; it is intended to explore these by a cross-cut from the present workings.

SALE OF COPPER ORES FROM THE CORNISH MINES.

FOR THE QUARTER ENDED MARCH 25, 1846.

		d from No. 554, Apr	ril 4.]	many take
	Mines.	No. of Ticketings.	Tons.	Amount.
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	Previdence Mines			
	Wheal Busy			
	Carn Perran			
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,	Wheal Gorland	1		
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COPIAPO MINING COMPANY. t a special general meeting of the shareh pany's office, on Thursday, the 80th ult., rs of this company, held at the

HENRY HARMAN, Eq., in the chair.

The advertisement calling the meeting having been read, the Chairman receded to read the following report of the directors:—

Proceeded to read the following report of the directors:—

HEPORT.

The directors were induced to defer the half-yearly meeting of proprietors at the usual period, having, at the time, nothing new to communicate, and under the expectation of shortly receiving further intelligence from their manager at Copiapo. Letters having lately arrived, the directors have now the pleasure of laying before the shareholders a report of the state of affairs since the last meeting in October. They have, in the first place, to express the satisfaction they feel at being able to state an improvement in the general aspect of the company's affairs. According to statements received from the manager, it appears that the produce at the silver mine of Pampa Larga, during the months of October and November last, has been sufficient to defray the charges, with every probability that the mine would be for some time in profitable working. The produce of the copper mines of San Fedro and Checo has also increased, whilst the ore is reported to have much improved in quality.

spipears that the produce at the silver mine of Pampa Larga, during the months of October and November last, has been sufficient to defray the charges, with every probability that the mine would be for some time in profitable working. The produce of the copper mines of San Pedro and Checo has also increased, whilst the ore is reported to have much improved in quality.

Since the last meeting, the Sambeam has arrived for the company, bringing 377 tons of copper ore; 276 tons of which were sold at Swahsen on the 16th hast.—they averaged 254 per cent. of copper, and realised 18t. 19s. 6d. per ton; the remainder averages 264 per cent. and will be sold in a few days. The Elizabeth Beyron, with 270 tons of copper ore, salled from Valparabso on the 11th Docember last, but has not yet arrived. The Docothy Gales was loading at Copiapo in the month of January last—she will carry about 480 tons of ore. The directors have engaged the Auricular and the Alexander Harvey at moderate rates of freight. These two vessels will together bring home about 990 tons of ore. The latest advices from Copiapo are to the 26th of Docember last; on the 1st of that month the manager had a stock of about 2900 tons of copoer ores, raised at the mines in the valley—of these 700 tons were lying at the port, ready for shipment. The produce of the silver mine of Pampa Larga, from the morth of October to that of November, was 456 quintals of sliver ore (about 24 tons), which had been sent down to the amalgamation works for reduction. A box of platas pina, which arrived per Sambeam, yielded 1297 ozs. of sliver, and sold for 318t. 14s. 3d.

The manager states that, in the month of October last, he had succeeded in concluding a contract for the transport of the ores, so long lying at the mines of Morados; about 150 tons of them had already been carried down to the beach for shipment. The requisite preparations having been made in the month of March last, for erecting works at Malpaxo, to wash and dress the "halvans," or poor orcs, lying at the mine of

ence with Chili, will prove beneficial to this company.

The last report from the mining captain, dated Copiago, Nov. 28, 1845 [m-serted in the Journal of the 18th ult.], was also read.—It was then proposed and seconded, that the report be received and adopted, which was carried unanimously.—The thanks of the meeting were afterwards voted to the chairman and directors.

EAST WHEAL KITTY MINE.—At a general meeting of adventurers, held at Despois the last of the second of the last of the l

Pearce's Hotel, St. Agnes, on Thursday, the 23d ult., it was resolved—That the accounts (see below) now laid before the meeting, showing a balance of 12l. 0s. 9d. against the adventurers, be received and adopted—that a call of 5s. per share be now made and declared. The following report was read to the meeting:—"During the past four months ending March, the adit level has been driven upwards of 20 fins. on the course of the lode; the present appearance of the lode is promising, and, indeed, looks better than we have at any time seen it; it is 2½ ft. big, and is composed of flookan, gossan, mundic, and copper ore; the specimens now produced show clearly the nature of the lode, and gives promise of what we may expect from exploring farther on its course. The nature of the country, too, appears more favourable—and, on the whole, our prospects are of a cheering kind." The following is the statement of accounts referred to:—Amount against the adventurers at end of 1845, 8l. 8s. 3d.; January cost, 9l. 7s. 7d.; February, 7l. 1ls. 3d.; March, 8l. 1s. 2d.—togother, 3dl. 8s. 3d. By amounts received on shares since last meeting, 21l. 7s. 6d.—leaving balance against the adventurers, 12l. 0s. 9d.

George and Charlotte Mining Company.—A meeting of the adventurers. Pearce's Hotel, St. Agnes, on Thursday, the 28d ult., it was resolved-That

GEORGE AND CHARLOTTE MINING COMPANY.—A meeting of the adventurers in this mine, was held at Tavistock, on Tuesday, the 27th ult., when a call of 2l. per 128th share was made. From the report of the mine, furnished by the captain, there is every probability of its being shortly in a state of profitable working. The late discoveries made here have created a demand for shares, at an advanced premium.

CREBOR CONSOLS MINING COMPANY.—The adventurers in this mine metat the same place and time, and made a call of 2l per share. We have been in expectation of receiving detailed reports of the proceedings in these most promising adventures in time for the present Number, which are not yet to hand. Perhaps our friends will bear in mind that Saturday morning is too late for publishing reports of meetings.

SOURTON CONSOLS.—At a meeting, held at Plymouth, on the 23d inst., it was resolved—that a water wheel should be erected at once, for the effectual fraining of the mine, and that the committee do assist to carry out the work, agreeable to the plans and specification then produced by the captain.

WHEAL PENROSE MINING COMPANY.

WHEAD PENROSE MINING COMPANY.

TO THE EDITION OF THE MINING JOURNALE.

SIE,—My attention has been called to the leading article of your paper of the 18th inst., and another paragraph in the same paper, attacking my conduct, in respect of the material account of this mine. I do not feel it at all necessary to enter into the question beyond a simple statement of the facts of the case, which will enable a discerning public to ascertain who has acted with dishonesty and discredit in the matter.

duct, in respect of the material account of this mine. I do not feel it at all necessary to enter into the question beyond a simple statement of the facts of the case, which will enable a discerning public to ascertain who has acted with dishonesty and discredit in the matter.

At the first meeting of the adventurers in this mine, held 28th October, 1842, the following resolution (amongst others) was passed, and entered in the cost-book—namely, "Resolved further, that we purchase of the Rev. Canon Rogers the materials of, and belonging to, this mine, for the sum of 2000.4, &c.; and that a call of 104 per 1-128th share be made, to pay in part this amount, and for the further working of this mine?

At a meeting of the adventurers, held the 21st day of December, 1842, it was resolved, that a sum of 7006 be paid by the purser into the Cornish Naval Bank of Falmouth, to the credit of the Rev. Canon Rogers, in part payment of the purchase-money and interest for the materials, agreed to be purchased of him by the adventurers of Wheal Penrose, and which was accordingly done, and the amount was charged in the cost-book at the account, held March 22, 1843.

At a meeting of the adventurers, held 12th July, 1843, a further sim of 7006, was charged in the cost-book at the account, and paid by check of the purser, 13th October following.

At a meeting of the adventurers, held 18th May, 1845, the balance of this amount and interest—namely, 696L 15s. 3d.—was charged in the cost-book, and forms part of the balance now due on the same.

Having lately received a peremptory demand from Canon Rogers' solicitors for the said balance of account, and not being in a position to comply with it, I thought it was my duty to call a meeting of the adventurers, to decide how this demand should be met.

I have now to ask, Sir, upon whose authority you have made the assertion, that the transaction referred to was "kept quiet; or that certain, if not all, of the adventurers were innocent that such claim existed?" whereas, at the commencement of

Sin,—In losking over your paper of the 4th linst., I see a statement respecting Venland, setting forth that 10 isles have been discovered, and that an acting has been driven 60 fms, to intersect a principal lode, and 90 fms, on its course, &c.; and also that an acting cylinder-engine has been purchased at Tregethnan Consols, for the sum of 4104, including a 10-ton boiler, and other materials. I believe the statement to be correct, and that any person reading the above account would naturally suppose that the mine was in full work. I now wish to call your attention to the management of the mine. About the 12th of Feb. 1844, a company was formed, the mine was divided into 64 shares, since which it has been put into 128 shares; we used to meet regularly, many men were employed, and everything went on very satisfactory until about July, 1845, when a gentleman arrived from London, armed with proxy papers, who called (what I consider) an illegal meeting, for few had notice of it, until the same day on which it was held, and some only just before it took place. He proposed to turn out the purser, which he did, and appointed another, although opposed by all the shareholders present; appointed a London committee of three (I believe to be called a committee of management), when the shareholders of the neighbourhood were well pleased with their own, which consisted of very respectable shareholders of the town, men of principle and integrity. We have now seldom a meeting. The above gentleman has been here for several days, but has not condescended to call us together. In February, we had a 5t. call per share, towards the payment of the engine, which became due the 18th inst. We have three London managers, one superintending captain, one purser, one captain, and a surgeon. I am sorry to trouble you so much, but hope if may arouse the adventurers to inquire into the state of the mine; I believe the prospects of the mine to be very good, if properly worked. An Adventurer.

Lisheard, April 29.

MINE ACCIDENTS—IMPORTANT DISCOVERY.

TO THE EDITOR OF THE CAMBRIAN.

SIE, I beg to claim the assistance of your paper, in presenting to the public a recent discovery, which importantly concerns all parties interested in the working of coal and other mines—it relates to a method for subdaing the carbonic acid gas, or, in the language of miners, choke damp, which is generated in most subterranean establishments, the dreadful and fatal effects of which are so frequently being presented to our attention. All means of prevention hitherto employed have been ineffectual. Lime-water, fires to promote circulation of the air, the furnes of sulphur and nitre, &c., have alike been attempted in vain. A remedy has at length been discovered, simple in its nature, inexpensive and the air, the furnes of sulphur and nitre, &c., have alike been attempted in vain. A remedy has at length been discovered, simple in its nature, inexpensive and casy in its application;—it consists in vessels of boiling water being placed about the suspected parts of the mine, the steam from which, in its dispersion, combines so intimately with the carbonic acid gas, as by its condensation no mixture with the atmosphere takes place, and consequently the much-dreaded evil is effectually averted. I have made this communication, impelled by the belief that any person possessing a knowledge, the publication of which is calculated to have a beneficial tendency, fails in his duty as a neighbour and a Christian, should he withhold such knowledge. I should observe that, as I am not putting forth any scientific experiences of my own, I can afford to be concise and simple in my relation, and abstain from glorifying myself, and amusing my readers, by a grand ostentatious flourish, which, were I ushering forth my own offspring, it would undoubtedly be my duty to indulge in, in humble imitation of my more distinguished contemporaries. The author of the foregoing discovery is a Frenchman, Mons. Hancille, and may be meet with all the honour and reward which are his due. It was communicated by him, on the 30th of last month, to the Academy of Sciences at Paris, and the experiments to which it has been subjected have met with the most decided success.

NATIONAL REACTION

A NATIONAL BRAZILIAN MINING ASSOCIATION. NATIONAL BRAZILIAN MARKET THE Holders of Unstamped Shares, in the National Brazilian Mining Association, are entitled to rank as Shareholders.

Culk. Opinion, and Various Judgments, whether the Holders of Unstamped Shares, in the National Brasilian Mining Association, are entitled to rank as Shareholders.

Upon the statement submitted to me, I am of opinion that the holders of the unstamped shares in the National Brasilian Mining Association, are not entitled to come in and claim the benefits now likely to result from the working of the mines of that association and claim the benefits now likely to result from the working of the mines of that association were unpropitious, those parties held back and refused to contribute towards the expenses of conducting the speculation; and where parties so act, and decline to help the adventure when in adverse circumstances, it has been held, that they cannot, afterwards, when the exertions and funds of others have made it prosperous, claim to share in that prosperity.

In Norway v. Rone, before Lord Chancellor Eldon, 19 Vesey, a motion was renewed upon the answer for a receiver; and issues were pressed whether the plaintiffs were partners in the old licenses; and whether they have now a right to enter and dig, or have abundoned their right.

His Lordship said—"In the case of Tenhouse v. Christian, Lord Rosslyn advanced a decrine with regard to mining concerns, upon which at least the Court would not refuse to act without great consideration; holding, that if the plaintiff, not having the legal interest, stands by, suffering the defendant to incur yreat expense and risk, that is a case not to be admitted in a Court of Equity. Consider the nature of such a concern? It frequently remains for years in the most hopoless state; and may, at last, be rendered profitable, set up their claim; if otherwise, have nothing to do with it. It deserves great consideration whether the Court would interpose, even by decree, much less on motion." MOTION REFUSED.

In Pendergrast v. Turton, before Vice-Chancellor Knight Bruce, 1—Younge and Col-

whether the Court would interpose, even by decree, much less on motion." MOTION REPUSED. In Pendergrast v. Turton, before Vice-Chancellor Knight Bruce, 1—Younge and Collyer.—The plaintiff had been the owner of several shares in a coppor mining company formed in 1827, and having neglected or refused to pay an additional call of 5t, per share (he having already paid the full amount of his shares which were of 50t. each, his shares were declared forfeited. In 1835, the company became fortunate, and the plaintiff then applied to have his shares restored. The directors refused, and the plaintiff filed his bill to be let into the receipt of the profits with the other shareholders.

to be let into the receipt of the profits with the other shareholders.

The Vice-Chancellor said—"The point which has struck me from the beginning, is the time at which the suit has been instituted, having regard to the peculiar nature of the property and the circumstances of the case. This is a mineral property—a property, therefore, of a mercantile nature, exposed to hazard, fluctuations, and contingencies, of ravirous kinds: requiring a large outlay, and producing, perhaps, a considerable amount of profit in one year, and losing it the next. I requires, and of all properties, pechaps, the most requires,) the parties interested in it to be vigilant and active in asserting their sights. This rule, frequently asserted by Lord Eldon, is consonant with reason and justice; Lord Eldon always acted upon it, and has been followed by subsequent judges of great knowledge, experience, and eminence. Now, in the present case, conceding, for the sake of argument, that the shareholders could not be compelled to contribute beyond 501. a share, and did no trong in declining to make advances beyond that sum, yet the result of all the circumstances of this case appear to have been that the mine could not be carried on without further outlay."

The plantiff objected to this further outlay; and then a considerable discussions.

the circumstances of this case appear to have been that the mine could not be carried on wilhout further outlay?

"The plaintiff objected to this further outlay; and then a considerable discussion ensued, which was substantially concluded in 1828. In this state of things, the concern not improving, the plaintiff refused to contribute, and parties were found to carry on the concern through several years, down to 1835. In November, 1837, when it appeared that a profit had been made by the unassisted efforts of those who still adhered to the speculation, the plaintiff applied for and claimed his shares, which being refused the bill was filed in September, 1838. I was anxious, being very much impressed with the counsel's opening of the case, as it related to the conduct of the directors, to have the time which so elapsed in some way accounted for—to have the chasm between the years 1828 and 1837 in some manner filled up—to have the conduct of the plaintiff during that time in some measure explained—to have the case placed in a position, upon which the Court could fasten itself, in order to give the plaintiff that property which he might have been estitled to, had he presented himself here in due time; but I am unable to find the means of doing this; here is a mineral property, the subject of great uncertainty and fluctuation, after its character has been established with much difficulty, after a period of 9 years, during which he reduced no assistance to the concern, a claim is brought forward by him, who is now colling to share in its prosperity. I find it, therefore, impossible to give to the plaintiff that relief which he seeks." BILL DISMIRSED.

The plaintiff appealed from the decision of the Vice-Chancellor, and it was heard before

who is now which to search the seeks." Bill distributed.

The plaintiff appealed from the decision of the Vice-Chancellor, and it was heard before Lord Lyndhurst, November 18, 1843. Jurist, vol. 8, p. 205.

The Lord-Chancellor, after having stated the facts, said—"The question is, whether in a precarious business of this nature, a party lying by, and leading no aid to the concern in its diclining state, nor taking any steps to enforce his asserted right, can, on a return of prosperity, and when the risk is over, be allowed to come forward and urge a claim to share in the profits of the adventure. The reasonable interence—and, indeed, the only inference to be fairly drawn from the evidence as to the conduct of the plaintiff—is, that he would never have advended this claim if the affairs of the company had continued in an unfacourable state. The Court can never sanction this sort of conditional acquiescence.

"To allow the party to lie by in a case of this nature, to watch the course of events, to urge his claim, if it should be to his advantage to do so, and to abandon it on a continuance of instortane and loss, which as a proprietor he must have shared, would be at variance with the plainted rules of justice. I think that this cause comes within the principle stated by my Lord Eldon in Norway v. Rose, in observing on the decision of Lord Rosslyn, in Chahouse v. Christian, and that the Judgment of the Vice-Chancellor must therefore be affirmed."—Gronge Cocurane, Chancery-lane.

WORK PERFORMED BY CORNISH ENGINES.

ber of pumping-engines reported for the month of March is 32—the quantity samed being 319s tons, lifting, in the aggregate, 31,000,000 tans of water 10 h—the average duty of the whole is, therefore, 54,000,000 its. lifted 1 foot high amption of a bushel of coal. The following have exceed the average:—

Mines.	Engines.	Length of stroke	Load in pounds.	Load per sq. inch on pist.	2 2		lifted 1 foot	Average quantity of water per min.
	Western, 80-in.	9.7	87,435 62,580	13.9	6.5	3300	54·6 65·4	1382.3
Ditto	Roberts's 70-in. Sims's 80-in.	10.0	76,017	13-1	7.7	2860	66-9	-
Wheal Vor	Borlase's 80-in. Trevenson's 80	10:0	118,982	18-9	37	4824	56.6	417-0 209-4
Carn Brea [Sims's 50, 99 7	9.0	34,342	13.6	7.0	1499	61-8	17.4
United Mines	in. combined J Taylor's 85-in.	11.0	91,656		7.3	3790	84:1	2
Ditto	Leam's 85-inch		13,631	16.0	7-9	630 4175	60.8	1751-7
Ditto	Hocking's 85-in		74,968	146	8.3	3580	87:2	498-4
United Hills East Wh. Rose	Penrose's 70 in.	10.0	42,257	9/8	3.2	1036	57.0	7407
Ditto	Michell's 70-in.	1100	52,806	12.3	0.3	2600		3

VALUABLE DISCOVERY OF LEAD IN THE ISLE OF MAN.—In excavath ock opposite the Court-house, for the purpose of deepening our harbor workmen have come upon a small voin of lead ore, and not less than 4 excellent ore has been raised, containing a proportion, it is supposed, of 0 eze. of silver per ton.—Mona's Heraki.

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MINE ACCIDENTS.

Silver Valley Mine.—Two men were killed on Thursday last by the falling in of the roof of the 10 fm. level, on the silver lode.

Pontop Colliery.—S. Aktinson was killed by a fall of coal in the south pit. Toll End, Tipton.—T. Onions and his son were killed at Messrs. Bagnall's. Gold's Green, West Bromoich.—As J. Leek was blasting and undermining a large piece of coal, it suddenly detached itself, fell on, and killed him.

Doutais.—T. Nicholas was killed by a fall of coal at the Brewhouse level.

Mosbro Colliery.—A serious accident happened to J. Barker, miner, at this colliery, belonging to Mr. Wells: it appears he, with two others (one of them his brother), went about one o'clock in the morning to commence working; no one else being thera, he let the others down, and afterwards "swarmed" the rope after them; but, it having been greased shortly before, he found it impossible to hold, and slid to the bottom with the greatest velocity—about 54 yards—almost before his companions could well clear the rope. One leg and foot was smashed, the other leg broken in two places, and his head and body very much crushed and bruised. The poor fellow had to remain in that state where he fell antil other colliers came at five o'clock, when he was got out and conveyed home. One leg was amputated a little below the knee, and the other set the day following; and the poor fellow is now progressing as favourably as can possibly be expected.—Derbyskire Chronicle.

PROGRESS OF FRENCH MINING INDUSTRY.

ment, made some few weeks ago in one of my letters, to the effect, that several French capitalists had determined to make large investments in mining property in Belgium, is proved by a royal ordinance recently signed, and just inserted in the Moniteur Belge, which confers on a French company the lead, zinc, iron, and coal mines of Arnay, Flone, Hermalle sous Huy, Saint George's, and Jebay Bodeguce. The new com

recently signed, and just inserted in the Moniteur Belge, which confers on a French company the lead, zinc, iron, and coal mines of Arnay, Flone, Hermalle sous Huy, Saint George's, and Jebay Bodeguee. The new company has taken the name of the "Grande Montagne," and nominated M. Gouin, the successor of the late Jacques Laffitte, its bunker at Paria. Its shares may be said to be exclusively held by Frenchmen, scarcely half-adozen Belgians (if so many) having obtained any. The concessions to the company are 4800 metres in extent. It is prepared immediately to begin the working of its mines, and to push them on with all possible activity. From what is stated in Paris, the company believes that it has got a splendid affair in hand; and it calculates on seeing, in the course of a year or two, its shares with even as high a premium as those of the Vicille Montagne. For the disposal of its lead, zinc, iron, and coal, it counts only upon the French market—convinced that, with the enormous demand for, and scanty supply of, those articles in France, added to the facilities of railway communication, it can sell them better there than elsewhere.

Just now, there is a very general desire to invest money in Belgian mines. Go on the Bourse, and whisper in the ear of any speculator, that you have some Belgian mining project to bring under his notice, and he is immediately all attention—exactly as he would have been, six months ago, had you offered him ten thousand Northern Railway shares for nothing. As a proof of this, I may mention a circumstance within my own knowledge. About three months back, one of those mysterious individuals that one meets in exifes, and at tables d'héte—who live God knows how, and heaven knows where—tried hard to persuade a friend of mine to subscribe for a few hundred pounds worth of shares in (what he called) a celebrated slate mine in Belgium; but on the precise whereabouts of which, he maintained a discrect silence, as he did also on the names of the bankers and directors. The thing, in fact, was s

The capital of the company was to be 2,000,000 thalers, or 300,000, divided into 10,000 shares. The prospects of the company are so brilliant, that its shares, which have only lately been introduced to the Paris Bourse, are already at a very considerable premium. The fact of Frenchmen interesting themselves in a mining speculation in Germany, may be taken as a proof of what I have frequently stated, that mining investments are becoming more and more in favour every day. In fact, it appears not improbable that before long mining speculations will become as important, both from their multiplicity and the amount of capital engaged, as those in railways. By decisions of the Minister of Public Works recently given, a complete service of engineers for mines in Algiers has been organised. They will have the general superintendence and inspection of mines conceded, and will be charged to make further researches for new sources of mineral riches. From an official return, issued on Saturday, by the Customs Department, it appears that, in the first three months of the present year, the importations into France of coal were 4,055,222 metrical quintals arrived, or which duty was paid upon 5,911,211 quintals. The quantity in the first three months of 1845, were 2,900,957 metrical quintla sarrived, and 2,700,793 acquitted. In 1844, they were 2,987,007 arrived, and 2,927,195 acquitted. It will be observed, that this year's importations present a very remarkable increase over those of last year, and the year preceding. Of cast-iron, the first three months of this year show 151,881 metrical quintals arrived, and 155,959 acquitted; in 1845, the quantities were 113,248 arrived, 118,957 acquitted; in 1845, the quantities were 113,248 arrived, 118,957 acquitted; in 1845, the quantities were 113,248 arrived, 118,957 acquitted; in 1845, the quantities were 113,248 arrived, 118,957 acquitted; in 1845, the quantities were 113,248 arrived, 118,957 acquitted; in 1845, the numbers were 793,566, and 713,163. Cast-iron, in March, 1846, was 5

the developments of her railway system, that her demands for coat and iron will increase every month.

Another week has elapsed, and there is nothing new with respect to the promised reduction of iron. Perhaps, when the Chamber shall have got rid of the railway bills of the Minister of Public Works, we shall hear

something about it.

In railway matters, the only noticeable point is, that the Chamber of Deputies has adopted the first clause of the Bordeaux and Cette Railway Bill, authorising the concession of the line to the Company Espeleta. The clause, directing that an embranchment should be made to the town of Castres, was rejected. As to the Northern Railway, it is not yet opened,—nor does anybody seem to know exactly when it will be, but it cannot be long first.—Paris, Tuesday, April 28.

COPPER MINES IN ALGERIA.

We extract the following interesting particulars of the copper mines of Djebel Mouzaia, on the Atlas—a spot now remarkable, also, as the "scene of several struggles between the French and Arabs"—from Capt. Kennedy's Algeria and Mouzaïa, on the Atlas—a spot now remarkable, also, as the "scene of several struggles between the French and Arabs"—from Capt. Kennedy's Algeriz and Tunis.—"At the period of the capture of Algiers it was well known to the French, that certain districts of the Atlas, in the vicinity of Medeah, were rich in minerals; and that formerly copper had been worked successfully, although to no great extent, at the earlier period of the Turkish rule. The present mines were, however, discovered by the engineer officers, who, when surveying the country, found numerous fragments of ore in the beds of the mountain torrents, which led to further search, and thus to thadicovery of the veins now working, as well as of the deserted galleries of the active mine. Specimens were sent to France to be analyzed; the ore was furnit to be rich, and a company was formed, who commenced their operations a year ago; but, owing to the difficulty of procuring labour, and the impediments incidental to a nevel enterprise in this country, it is only for the last three months that the works have been properly carried on. The gallieries, 22 in number, are driven into the side of a ravine, with a south-westerly exposure. As yet none of them have attained any great length, the longest being only 125 feet, and, being driven horizontally into the mountain, but little labour is requisite to extract the ore, which lies in a matrix of argil, the general direction of the veins being east and west. The ore is broken with hammers into small pieces, and sorted according to quality, all fragments containing a large proportion of earthy matter being rejected, as not of sufficient value to pay the expense of transport and smelting. The picked ore is then carried by mules and asses to Bleedah, from thence to Algiers, where it is shipped to France is about 29 per cent. 160 men are employed, a large proportion of whom are soldium, permitted by the authorities to labour in the mines, and who receive their extra pay from the company. Having visited these works, the s chased from the tribes the exclusive right to all the minerals in an extensive district, for a small sum, and have also had the purchase confirmed to them by the French Government. A small coding of 40 Germans now carry on the works, but bitherto the produce has not been equal to that of the other mines. The account current throughout the country is, that it was worked by the Spaniards or English, and as a proof, they show a radio cross of a large size, hewn in the rock, near a spring in the neighbourhood, and two smalles one cut in the miner itself. It is, therefore, probable that the miners were Christian stars; which is further borne out by the appearance of the works, and the traces of blasting. The borings are remarkable for their size, being three inches mine-tenfths in diameter. The southern slope of the mountain seems to be one immense miss of minerals; antimony is abundantly disseminated with the copper; lead has been found in small quantities, and traces of silver discovered, but the ore that exists in the greatest abundance is iron, which, from the absence of coal, is useless; neither is there in this part of the Atlas sufficient wood to supply charcoal for a furnace at a reasonable cost. The afternoon had now cleared up, and from the entrance of the old gallery I had a magnificent viow; above me rose the snow-clad aummit of the Djobel Mouzaia, 5200 feet above the lavel of the sea; at my feet lay the wild ravine; and around, mountain beyond mountain stretched away into the distance, until their bold outlines becoming grantially less and less distinct, melted into the faint forms of the clouds floating lightly on the horizon."

Law Intelligence.

THE IRON TRADE-REPUDIATION OF CONTRACT.

THE IRON TRADE—REPUDIATION OF CONTRACT.

COURT OF EXCHAGUER—APRIL 30.

BALLEY-AND OTHERS T. DICKER.—This was an action to recover damages for a breach of contract.—It appeared from the evidence of the plaintiffs witnesses, that on the last of December a Mr. Short, a retired iron-broker, received instructions from the plaintiffs. Messrs. Bally, Brothers, and Co., iron merchants at Liverpool, to purchase for them 2000 tons of Seyich pig-fron at the price of 70s. a ton, payable in 7 or 14 days, or the like quantity for eash at 67s. 6d. Messrs. Short and Co. accordingly communicated with Messrs. Rickards and Co., of Messrs. Short and Co. accordingly communicated with Messrs. Rickards and Co., of Messrs. Short and Co. accordingly communicated with Messrs. Rickards and Co., of the firm of Messrs. Rickards called upon Mr. Short and expressed their regret at having undertaken the sale, and added that he would be glad if the could buy the same quantity back again for them without loss. Short said he would try what he could do; and that, if he could get it back at the same price for a bill at four-months, the interest upon that would pay the brokerage. Exentually Messrs, Rickards and Co. gave authority to the broker to make the purchase upon these terms. At a later period the defendant called on Mr. Short, and expressed a wish to sell a quantity of Seotch pig-iron, because he anticipated there would be a fall in the market; and that, if the price should go lower, he would have an opportunity of buying in again. Short, however, thought that the market would get up, and ultimately Short informed him that he was in a position to buy that quantity for a four months' bill for Messrs. Rickards and Co. The defendant excellent of the would discount the bill for him if he agreed to the bargain, but that gentleman declined to do so on the ground that his house was not a discounting house. The defendant thereupon refused to make the sale for a paymant by bill, asying that he should prefer selling for cash. Short upon this said he h

Accordingly he gave instructions to one of his clerks to draw out the contract, omitting the names of both parties. This having been done, Short signed the contract, and handed it to the defendant. The contract was here put in and read, as follows:

"Sold for account of J. C. Dicker, Esq., 2000 tons of good merchantable Scotch pig-from (one-half No. 1, and one-half No. 3), at 3t. 7s. 6d. per ton, delivered in a yard or yards at Glasgow, to be paid for in net cash, without discount, in London, within 14 days, in exchange for warrants.

By the post of that day Short and Co., forwarded a copy of the contract to the plaintiffs. On the 6th of that month the defendant called at their office, and expressed his regret to Short at the sale he had made through hint to Mesers. Rickards and Co., on the 1st of the Short at the sale he had made through hint of Mesers. Rickards and Co., on the 1st of the Short at the sale he had made the one heer made to Rickards and Co., on that they were not the parties for whom he had nade the contract, and then reminded him that had advised him not to sell at the time. After some further conversation, the defendant went away without having even then naked the names of the purchasors. On the 9th of December Short went to Morley's Hotel, where the defendant stopped when in London, for the purpose of arranging for the delivery of the warrants for the iron, and the parmet of the money, but on his arrival he discovered that that gentleman had loft from for Cheshire. The following day Short and Co, wrote to him in these terms:

"The prompt on the 2000 tons pig-iron sold on the 1st inst., will become due on the 15th, and you can either send the warrants up to London, for if more convenient to you, you can deliver them to the buyers, Messrs. Bailey, Brothers, and Co., of Liverpool, who will pay you there.

"Yours, Shortland Co. wrote by the same post to Messra. Bailey and Co., stating that they had that day received 4000. on their account, the proceeds of another transaction in iron, and asking w

Bony satisfaction, I shall be under the necessity of drawing conclusions very much to your peoladice as brokers."

On the receipt of this letter, Short and Co. Instantly wrote a reply, condemning, in very strong terms, the repudiation of the sale, and denying that the authority had been to self to Mesars. Rickards alone, and also that the transaction had been tregular. Mr. Short then went on to say, that, at the time the sale was made, it was of the greatest importance that the names of any sellers should not be known in the iron market, and that was one principal reason why the names of sellers were kept in the back ground.

Mr. Mahoney, the partner of the last witness, then proved, that on the 1st of December, the day the sale was made, the price was 67s. 6d., and that on the 1st the price was 77s. 6d. to 80s. The difference, therefore, between the two prices upon the 2000 tons, was 10001, taking the price at the lower figure.

The learned Banos left, it to the jury to say, whether the evidence they had heard side not satisfy them that the contract had been made by the defendant. If it did, it was then for them to say what amount of damage the plaintiff bad sustained by its breach. There could be no doubt the plaintiff would be ready to make good the contract on their parts, because there had been a rise of 10s. a ton, and for that very reason it would seem the blaintiff—damages, 10002.

THE TALACRE COAL AND IRON COMPANY.

plaintiff—damages, 1000f.

THE TALACRE COAL AND IRON COMPANY.

COURT OF QUEEN'S BENCH, DUBLIN.

HOWARD T. SHAW - SUPEMENT.—At the sitting of the court, the CHEEV JUSTICE delivered indigment in this case. It was an action of assumpsit brought for the recovery of the amount of two promissory notes made by the defendant and others, as directors of the Talacre Mining Company, to Lewis Levason, whose endorsee the plaintiff was. Payment of the notes was contested on the grounds of want of consideration, and that the company was a bubble, a scheme got up to defraud the public—the original founders, one of whom Levason was, having falsely represented the company to be in possession of valuable prepry in cold mines, &c., and so induced the defendant to become a shareholder and director. The deed of partnership of the company was dated in 1839, and it was represented that the sum of 20,000f. had been paid for the mines which the company was contested to the state of the property from Levason and others for 15,000 £; part of the money had been paid for the mines which the company was. The question for the court was, did the defendant render himself liable for the amount of the notes, or was he imposed upon so as to relieve him from the payment of the sum. The court could not hold that he was not liable. It was perfectly plain that the defendant states of the company. After an inquiry into them, it was deliberately resolved that the demand of Levason should be satisfied by giving him promisory notes, signed by four demand of the amount; but the court could not the first matched of the amount; but the court could not define the validity of that excuss, or that the defendant was deceived by Levason or others in the transactions which led to the the defendant was deceived by Levason or others in the transactions which led to the liable for the amount: but the court could not admit the validity of that excuse, or that the defendant was deceived by Levason or others in the transactions which led to the execution of the notes. Levason was suing for the amount of his demand, and, on getting the notes, consented to give up the suit: that contract the defendant sengint to violate by refusing to pay the notes; but, if he could succeed in that, he would only throw this whole debt on the others, who joined with him in the compromise with Levason. Under these circumstances, it could not be held that there was no consideration for the notes, or that they were obtained by Levason through any contrivance or fraud on his part. A court of equity alone could give a remedy for frauds such as those complained of the the formation of the company. A court of law could not do so; but was bound to enforce the deeds executed by the parties—those deeds not having been impeached. If Levason could maintain an action, for the amount of the notes, three was nothing to preven the plantiff from saing; for it did not appear that he was concerned in the formation of the company, or that he was no bond pide helder of the notes, or had renewed any notice of the traid complained of here. The learned judge rend a number of cases in support of the views he put forward. Under all the circumstances, his opinion and that of the court was, that the exceptions should be allowed, and that there should be a centre de novo.

ABSTRACT OF PATENTS GRANTED IN APRIL

[From Newton's London Journal of Arts.]
W. Spilby, Carrington, Nottingham, for improvements in the construction of furnaces and of for heating water and other fluids.
F. C. Warlick, Deptford, for improvements in the manufacture of fuel.
J. Allingham, Dublin, and J. W. Mydinaloy, of the same place, for certain in prove-

J. Allingham, Dublin, and J. W. McGuzley, of the same place, for certain in provenents in steam-engines.

J. Hant, Brixton, Surry, for improvements in the manufacture of soda,
W. T. Hayeraf, Greenwich, for improvements in steam-engines.

C. May, Ipswich, Surfolk, for improvements in machinery for punch ag, revetting, and hearing motal plates.

E. Galloway, Buckingham-street, Strand, for improvements in leconocive engines.

E. Galloway, Buckingham-street, Strand, for improvements in leconocive engines.

W. H. Bell, Edmonsley, near Choster-le-street, Durham, for improvements in working, cal in coal mines.

at in continuing.

A. P. Perceval, East Horsley, Surry, for improvements in communicating between acces separated by water.

THE SALT MONOPOLY IN FRANCE.—We have in former Numbers stated the impost or tax upon salt, levied by the French Government, and through out the continent, on this important article, not only as being prejudicial to the salubrious state of the population, but the alvancement of agriculture and farming industry, by the high price it is charged by the Governments, the have the column and the column articles. ments, who have the sole monopoly of the salt mines and springs in their own hands. Salt, after wheat, is the most requisite article, not only for private use, but the commercial prosperity of a country, especially where the fishing, and curing of fish and mest, are the chief means of giving omployment to thousands of the hardy and industrious classes of the population. We have seen the benefits that the taking off the tax upon salt, imposed by Mr. Pitt, has done throughout the Usitest Kingdom, not only by giving an impetus to the salt proprietors of Cheshire, Worcestershire, and other mineral counties, to work their mines; but the great export trade they now have to India, Hong Kong, China, and other parts of the globe, from Gloucester, Liverpool, and Bristol, annually increasing and enhancing the industry of this great commercial empire. The following is an extract from the French Government's official returns of the duties, or indirect faxes, levied during the first three months of 1846, compared with those of the same period in 1844 and 1845:

Tax, or duty, upon the consumption of salt within the 1846. 1845. 1844.

Tax, or duty, upon the consumption of salt within the 1846. 1845. 1844.

Tax, or duty, upon the consumption of salt levied beyond the limits of the customs 132,280 . 117,160 . 115,560 ments, who have the sole monopoly of the salt mines and springs in their

Tax, or duty, upon the consumption of sail twice to 247,490 ... £204,500 ... £245,6

MINING IN AUSTRALIA. -- We extract the following particulars, relative to the rate at which labour is paid, and the advantages held out to industo the rate at which labour is paid, and the advantages held out to Industrious men to emigrate to that thriving colony, from a statement, dated Adelaide, Dec. 6:—Miners are all so fully employed, that there is not "a spare hand," to be found; those engaged on what is called "owners" account," are paid from 30s. to 40s. per week; according to distance from town; whilst, "tutwork," men and "sributers" have frequent opportunities of carning considerably more. Such is the want of regular mining labour at the northern mines, that Mt. Ditton engaged (a few days ago) 50 common labourers at 7s, per day. There is not an unemployed labourer to be got in the city, where many jobs are actually in abeyance for want of hands. Engineers, founders, tin-plate workers, and all other tradesmen and mechanics are generally doing well. There is no lack of employ, and wants are liberal; but varvings, of course, according to ability to ability to ability to ability to ability to ability. ploy, and wages are liberal; but varying, of course, according to ability.

Mining in Buckpastleion.—The copper mines, which have been at work in this neighbourhood far some months, have, during the last week, assumed a very favourable aspect. At the Brook, a south lode, about 2 ft., big, has been quite unexpectedly discovered, which is producing good ore at a depth of 22 fms. The old Buckfastleigh dine, which was partially worked, many years ago, by persons in this neighbourhood, under very improvident management, to a depth of 20 fms. below the adit level, and produced upwards of 20,000% worth of copper, is now the property of London gentlemen, and abily conducted by experienced practical agents—the beneficial effect of which is already apparent. A discovery has been made within the last few days of a lode which the old company do not appear to have worked; which is said to be some feet wide, containing what is called a leader of sofid the 5 m. big. The present proprietors are likely to be enriched by the misconducted workings of the last company. The mines are on the estate of the Earl of Macclesfield.—Western Lum.

EGLENTON ISON-WORKS, KILWINNESS.—At these works three furnaces will soon be finished, and the foundation of a fourth is preparing. The company have two coal-pits already yielding coal. The produce is "binged," to be ready for the furnaces when in blast. They have lately leased the minerals on the estate of Mountgreenan, in the same parish, which, it is believed, includes a good bed of hematite—a species of ironstone only recently noticed in the operations going on at these iron-works appear to be the hamilton wavers. The demand for house accommodation, caused by the influx of labourers and others, has tended to raise house-rents and the prices of the necessaries of life. This, with the diminished, and diminishing, means of the weavers, renders their domantic condition any thing but gratifying—Agr Ob.

Current Prices of Stocks, Shares, & Metals.

8TOOK EXCHANGE, Rabinskuy moraling; Tu 15 † Belgian Bonds, 4‡ per Cent 16 † Burch, 12 per Cent, 50 † Brazilian, 5 per Cents., 82 Chilian, 6 per Cents., 82 Alexican, 5 per Cents., 32 Spanish, 5 per Cents., 28 Spanish, 5 per Cents., 26 16 † Pöriuguese, 4 per Cents., 5 Russian, 5 per Cents., 10 17 pm. Bank Stock, 7 per Cent., 204)-54; 3 per Cent. Beduced Ann., 95§, † § 3 per Cent. Consola Ann., 95 § † § 3 per Cent. Annatites,— 3 per Cent. Ann., 96§ 7 § Long Appublies, 10 Å 3) per Cent. Ann., 50; 74 Long Annuities, 10 å India Stock, 10å per Cent., 261 3 per Cent. Consols for Acc., 96; å å Eashequer Bills, 1000/., 26; 3, 7 pm.

Mines.—Business in mining shares has not been very brisk during the week and prices have but little varied. In referring our readers to our share list, we beg to correct anceror; into which we were led in altering the quotation of the Barristown Bline, from 30 to 22; such reduction was forwarded to us by a party in whom we place confidence for general correctness—although, in this instance, it is evident he was in error, as we are assured by the secretary, that no shares have changed hands since one in March, when the quotation which we now give was correct, and there is no reason whatever to expect any reduction—the prospects of the mine continuing of the same promising character as for some months past. There has been also a slight error in the quotation of the Wicklow Copper Company, which should never have been under 16½—we have field the price, 12½.

Rahways.—There has been occasionally a considerable increase in railway

the wickiow Copper Company, which should never have been under 162—we have list the price, 123.

RAILWAYS.—There has been occasionally a considerable increase in railway share transactions, and, in some instances, an advance in prices. In the old lines shares have improved, and there is great attempts among scripholders to secure majorities for proceeding with their bills—this is too obvious to allow of doubt. This improvement in the market is to be attributed to the anticipated good which will arise from the working of the Government measure now proceeding through Parliament for the regulation of railway companies. The presmbles of the following lunes have been declared proved:—Farnham and Alton branch of South-Western; Methley, Askern, and Oakenshaw branch of Wakefield, Pontefract, and voice: Edinburgh and Northern—Strathearn division; Glasgow, Barrhead, and Neilston Direct—branches to Thornlicbank, Houschill, and Hurlett; London and South-Western—clauses agreed to, with some amendments; Boston, Stamford, and Birmingham.—Stamford and Wisbeach Lines; York and North Midland—north-western; Armagh, Dungannon, and Belfast Junction; Dundee and Perth; Slamannan and Burrowstownness; North Staffordshire—Harccastle and Sandbach, and Churnet Valley and Potteries; Wilsontown, Morningside, and Coltness—branches; Malton and Driffield.

MEETINGS.—Liverpool and Bury amalgamation—on Saturday last, at Li-

townness; North Staffordshire—Harceastle and Sandbach, and Churnet Valley and Potteries; Wilsontown, Morningside, and Coliness—branches; Malton and Driffield.

MEETINGS.—Liverpool and Bury amalgamation—on Saturday last, at Liverpool, to consider the bill for incorporating the Liverpool and Bury Line with the Manchester and Leeds—Mr. Samuels proposed an amendment on the original motion, to the effect, that the bill be not proceeded with; the original motion, however, for proceeding with the bill, was carried by a majority of 2068 votes, representing 4275 shares.—Waterford, Wexford, Wicklow, and Dublin, on Saturday last, when a motion was carried, slmost unanimously, that a committee of seven be appointed to prepare a petition to Parliament, praying for the immediate dissolution of the company.—St. Lawrence and Atlantic, on Monday, for taking measures for an immediate return of the deposits; Mr. Hagis was voted to the chair. It appeared that, out of 7000 shares allotted in England, in August last, only 2433 had been paid upon; the remainder had been cancelled by the provisional committee, and relieved from all further responsibility—the concurrence of the holders of 1800 out of these 2533 shares had been obstained; and a resolution was passed, stating the opinion of the meeting, that the provisional committee are bound to return the deposite—Mr. Bischoff undertaking to communicate to them that afternoon.—Manchester Midland and Great Grimsby, on Monday, when a resolution was passed, expressive of the confidence the shareholders entertamed of the leading features and advantages of the undertaking, and their full reliance on the committee, and urging them to use their best efforts to carry it into operation.——Direct Birmingham and Leicester; on Wednesday, to receive a report from the deputation appointed to present a requisition to the directors, calling upon thom to wind up the affairs. A letter was read from the secretary, stating that the directors had issued circulars to ascertain the feeling of the majority of

tors should be called upon to call a meeting for winding up the affairs.

Messus, Landad's Sales.—Teredat.—Buckinghamshire (2l. 2s., pl.), 2l. 2s.; Northampton, Bedford, and Cambridge (2l. 2s.), ll. 5s. 5. South and Midland (2l. 2s.), ll. 1s. 6d.; Great Eastern and Western (2l. 10s.), 1s. 6d.; London and Manchester—Rastrick's (2l. 3s.), 2l. 1s.; Eastern Counties—York Extension (1s.), 2l. 6s., Rugby and Huntingdon (2l.), ll. 3s.; Manchester and Southamptols (2l.), 2l. 4s.; Tring, Reading, and Basingstoke (5l. 3s.), 2l. 3s., Auxerre and La Roche (4l.), 2l. 1os., Trent Valley Continuation and Holyhead Junction (2l. 12s. 6d.), 1l. 1s. 6d.; South Midland (2l. 2s.), 3l. 1os. 6d.; Weish Midland (2l. 2s.), 1l. 1s. 6d.; Shrewsbury and Birminghum (2l. 10s.), 3l. 2s. 6d.; Goole and Doncaster (2l. 2s.), 2l. 1is.; Dunstable (5l. 3s.), 4l. 8s. (1s.), 3l. 2s. 6d.; Goole and Doncaster (2l. 2s.), 2l. 1is.; Dunstable (5l. 3s.), 4l. 8s. (1s.), 3l. 2s. 6d.; Goole and Porth (2l. pl.), 2l. 7s. Reading, Guldford, and Reigate (2l. 2s.), fill. 1s. 6d.; Cornwall and Devon Central (2l. 12s. 6d.), 1l. 10s. 6d.; York and Lancaster (2l. 12s. 6d.), 1l. 2s.; Great Luxemburg and Huntingdon (7l. 10s.), 4l.; Somerstshier Midland (2l. 12s. 6d.), 1l. 2s.; Great Luxemburg (4l.), 1l. 1s. 6d.; London and Blackwall—new (2l. 10s.), 3l. 19s. 6d.; Guldford, and Reigate (2l. 2s.), fill. 1s. 6d.), 1l. 2s.; Great Luxemburg (4l.), 4l. 1s. 6d.; London and Blackwall—new (2l. 10s.), 3l. 19s. 6d.; Guldford, and Reigate (2l. 2s.), fill. 1s. 6d.; Courbampton, Bedford, and Cambridge (2l. 2s.), 1l. 5s.; Shrewsbury and Hereford (2l. 12s. 6d.), 1l. 13s. 6d.; Hoth Rhenish (3l.), 6l. 5s. 6d.; Groat Kent Atmospheric (2l. 10s.), 4l. 15s. 6d.; Northampton, Bedford, and Cambridge (2l. 2s.), 1l. 5s.; Shrewsbury and Hereford (2l. 12s. 6d.), 1l. 13s.

Northampton, Bedford, and Cambridge (2l. 2s.), 1l. 5s.; Shrewsbury and Hereford (2l. 12s. 6d.), 1l. 13s.

LEEDS, Thursday.—There has been a decided improvement during the week in the tone of the share market—prices have gone much higher, and there is a decided disposition manifested to purchase into good stocks. Some of the good scrips, as Matlocks, North Staffords, Shrewsbury, and Birminghams, and Goole and Doncasters, have also participated in the advance. This improved state of things is generally attributable to the measures introduced by Sir R. Peel, which, though not of any immediate and practical operation, in the redistribution of the rulway deposits, have given confidence in the future state of our monetary relations, and allayed that disposition to realise, even at any reduction, which has lither to been the provailing characteristic of the market. Now that the tide appears to have turned, it is to be hoped that practice and caution, on the part of the operators, will prevent the reaction which must inevitably ensue, if too sudden and rapid a rise in prices is encouraged.

HULL, Thursday.—The improvement which began to show itself last week, is now, we may say, confirmed, so far as regards all good dividend-paying lines and first-lower laws acrip. There are, indeed, signs of preferring these to the "winding-ap" projects, which have lately been so attractive. Confidence is evidently returning—and this, if it continues, is worth a volume of statistics at any time. The Barnaley Junction is now completely hors de combat for this assistion.—It seems generally thought that the directors will lose to time in returning the unexpended deposits to the scriptulders. They could not be expected to command success, but this will make them popular, and be a sensible redefeat arrived.

HISH STOCKS, RAH,WAY SHARES, &c.—3 per Cent. Consols, 94ll.; 32 per Cent.

defeat arrived.

IRISH STOCKS, RAILWAY SHARES, &c.—3 per Cent. Consols, 94[L; 3] per Cent. Stock, 96[L; 3] per Cit. Reduced, —L; 3½ per Cent. City Debentures, —L; Bank Stk., —L—Belfast and County Down Railway, L; Cork and Passage, 14; Great County Down, Belfast, Newry, &c., 18L; Great Southern and Western, 22[L; Irish Great Western (Dublin to Galway), —L; Dublin & Belfast Exten., R; Dublin & Brogheda, 70[.] Dublin, Belfast, and Coloraine Junction, -L; Dublin and Sandymbount, R; Irish North Milliand, [L; Killarney Junction, LL; Newry, Warranjoint, and Rostrevor, 24[.] Dundalk and Emiskillen. —.; Dublin and Kingstown. ——Mining Company of Ireland, 124[.] Wicklow Copper Mine, 162[.—Hibernian Bank, 294[.—Royal Bank, 124[.]

COAL MARKET, LONDON.

COAL MARKET, LONDON.

MONDAY.—Buddle's West Hartley 16 9—Carr's Hartley 17—Hastings' Hartley 14 6—Holywell Main 16—New Tanfield 14—Original Tanfield 13 6—Oil Pontop 13 6—Rawnworth West Hartley 16 6—Tanfield Moor 15—West Hartley 17—West Wylam 14 6—Wylam 14 3—Wall's End Bell and Brown 17 3—Bewicke and Co. 17 6—Gosforth 17 3—Hobburn 16 6—Hilds 17 1—Heiley 17—Hotspur 16 6—Eden Main 17 6—Braddyll's Hetton 19—East Hetton 17 3—Hetton 19—Lambton 18 9—Pemberton 17—Hildmund 17 9—Russell's Hetton 18 6—Shotton 18 3—Stewart's 19—Whitwell 17—Caradoc 18 8—Kellos 16 9—Tringford 15 6—Thorniey 17 9—Eden Hartleypool 15 6—South Durham 17 3—Tees 18 9—Kellingworth 16 6—Ships at market, 86.

WEDNESDAY.—Adair's Main 13 6—Buddle's West Hartley 16 6—Carr's Hartley 16 6—Carr's Hortley 16 6—Carr's Hortley 12 6—Taylor's West Hardey 16—Tanfield Moor 16—West Wylam 14 6 Wylam 14—Wall's End Bewicke and Co. 12 6—Chemel 19 6—Killingworth 17—Hiddell's 11—Wreckington 13—Eden Main 17 6—Behmont 18—Braddyll's Heiton 19—Haswell 19 3—Heiton 19—Houghhall 16 6—Lambton 18 9—Pemberton 17—Russell's Heiton 19 9—Hartlepped 15 6—Ships at market, 91; south, 65; unsold, 36.

FRIDAY.—New Tanfield 14—Pontop Windsor 15—Wylam 14—Wall's End Wreckington 13 6—Eden Main 17 6—Braddyll's Heiton 19 6—Covenden Tees 17 6—Kellon 18 9—Firchale 16 9—Hartlepped 15 6—Ships at market, 91; south, 65; unsold, 36.

FRIDAY.—New Tanfield 14—Pontop Windsor 15—Wylam 14—Wall's End Wreckington 13 6—Eden Main 17 6—Braddyll's Heiton 18 6—Carr Hetton 19—Pemberton 17—Stewart's 19—Whitwell 17—Adealade 16 6—East Hetton 17—Hetton 19—Pemberton 17—Stewart's 19—Whitwell 17—Adealade 16 6—East Hetton 17—Hetton 19—Pemberton 17—Stewart's 19—Whitwell 17—Adealade 16 6—East Hetton 17—Hetton 19—Pemberton 17—Stewart's 19—Whitwell 16 6—Carr 16 6—East Hetton 17—Hetton 19—Pemberton 17—Stewart's 19—Whitwell 17—Adealade 16 6—East Hetton 17—Hetton 19—Pemberton 17—Stewart's 19—Whitwell 17—Adealade 16 6—East Hetton 17—Hetton 19—Pemberton 17—Stewart's 19—Whitwell 16 6—East Hetton 19—Hetton 19—Pemberton 17—Stewart's 1

	Amber, Nottingham, Beston; and Erewash Junction 21	gnuk bas	Parlie
	Armagh, Coleraine, and Postrush -25/. Shares	125	125
	Birmingham and Oxford Junction - 201 shares 9	14	1 0 1 20 B
	Bristol and Exeter—100/ shares	50	85 0
	Caledonian -50% per share 5	61	74
	Chelmsford and Bury	0,7025,60	Column C
	Chester and Holyhead 50/ sharps 15	214	224
0	Cork and Killarney—50/ shares 22 Cork and Waterford—25/, shares 11	- defaulte	STREET OF
9	Cornwall—50/ shares 5	11/100	Date of
	Direct Northern—50/ shares	14	2
0	Direct Manchester (Remington's)—20/ shares	local s	dam't o
9	Dublin and Belfast Junction—50/ shares	5	1
8	Dublin, Belfast, and Coleraine—50! shares	21	0.4
f	Dundalk and Enniskillen-50t shares 24	-	-
1	Eastern Counties—25/ shares	234	24
	Edinburgh and Glasgow—50/ shares	721	74
1	Exeter, Yeovil, and Dorchester—50/ shares 2‡	14	11/100
	Goole and Doncaster-201 shares 42 s	4 dis.	E PROPERTY OF
)	Grand Junction—100/shares	_	condition !
3	Great Grinaby and Sheffield 50/, shares 5		1 50000 B
	Great North of England—100/ shares 15	221	254
	Great Western -100/ shares 80	147	155
1	Hull and Selby—50l shares 50	1004	1014
	Isle of Axholme	-	IT LENG S
	Leeds and Carlisle	G HOLLES TON	584
	Leicester and Birmingham -20/ shares 22 s	Later Los	& dis.
	Leicester and Bedford -20/ shares	‡ dis. 1‡ dis.	dis.
	Liverpool and Leeds Direct 30/ shares	28	i dis.
	Lordon and Birminghamstock	225	226
	Liverpool, Manchester, and Nowcastle Junction 150	1118 June 1	The state of the s
	London and Brighton 50/ shares Av. 16/ 13s 4d	64#	66
3	London and Croydon Av. 13/ 15s 9d	221	234
	London and South Western	79	824
1	Mondon and Tork out shares	13	28
V	London, Warwick, and Kidderminster—50l shares 21 London, Salisbury, and Yeovil—50l shares 21	add School	J 1670
V	Londonderry and Coleraine 50/ shares 21	2	colvered by
1	Lynn and Ely-25/, shares	64	100
	Lynn and Derelium 95/ shares	6	64
1	Manchester and Birmingham—40/ shares	121	132
I	Manchester, Buxton, and Matlock -20/shares 42 s	par	∦ pm.
1	Manchester and Leois = 100/ shares 82 Manchester and Birmingham = 40/ shares 40 Manchester, Buxton, and Matlock = 20/ shares 42 Manchester, Buxton, and Matlock = 20/ shares 42 Manchester and Southampton 2 Manchester and Southampton 50 Midland 50 50 50 50 50 50 50 5	147	157
l	Intto surminguam and Derby	118	125
Į	Newcastle and Berwick—25/ shares	18	21
١	Midland Great Western (Irish) - 50t shares 24	91.775.010	Damen 2
1	Ditto New (Brandling) -25/ shares 20	454	452
I	Newport and Abergavenny 24	770200	Province I
I	Newark, Sheffield, and Boston—25/ shares	11	to de la
ļ	North British -25/ shares 173	26	28
ı	North Devon	70	714
۱	North Kent and Direct Dover -50/ shares 23	14	11
l	North Staffordshire—20/ shares	24 pm.	34 pm.
I	Norwich and Brandon—20/ shares	25	264
l	Oxford, Worcester, and Wolverhampton	84	9
l	Perth and Inverness 21	1	
ł	Perth and Inverness 24 Portsmouth Direct - 50t shares 33 Preston and Wyre - 50t shares 50 Richword, 20t shares 50	34	42
1	Richmond—20/ shares	and Treat	W. Jan M.
I	Scottish Central—25/ shares	134	15€
t	Scottish Central 25/ shares	6	ment Mora
1	Shrewsbury and Birmingham	24	34
ı	Somersetshire Midland	91	Harris III
١	South Eastern and Dover Av. 33/ 2s 4d South Midland 20/ shares 42s	31	384
l	South Midland — 20 <i>l</i> shares	par	14
ı	Staines and Richmond—201 shares	14	21
1	Trent Valley—207 shares	-11	14.
1	Vale of Neath	1	V 14
1	Waterford and Kilkenny—20/. shares	12	14
-	Wilts, Somerset, and Weymouth -50/ shares 21	11 28	THE STREET
1	Yarmouth and Norwich—20% shares	11	28
1	York and North Midland 50/ shares 50	97	T TER
1	Ditto Selby—50/ shares 30	71	75
-	FOREIGN RAILWAYS.	Thursday.	Wateness !
	Boulogue and Amiens—20/ shares	114	W 124
2	Bordeaux, Toulouse, and Cette (Espaiete) 201. shares 2	24	91
	Central of Spain—20/ shares Dutch Rhenish—20/ shares	61 and	6
1	East Indian	(a. a s)	
	Great Northern of France (constituted) 5 Great Western Bengal 6 Great Western Canada—224/, shares 3 Jamaica and South Midland Junction—20/shares 1	121	154
į	Great Western Canada—224/. shares	TEST	150 4
	Jamaica North Maland		-
	Louvaine and Jemappe—20/ shares 4	114	14
	Lyons and Avignon 20/ shares	10	22

RAILWAY SHARE LIST.

RAIL WAFSHELL

Paid Closing pr Clos

RAILWA	Y TH	AFFIC R	ETU	ol, high .SMS	14 6
Name of Railway.	Lgth.	Present ac- tual cost.	Last Div.	Traffic II. 1846	1845
rbroath and Forfar		£140,782	31 p.c.	B 0 400 10	£158
hester and Birkenhead		589,632	24	549 1 9	609
ublin and Drogheda	32			730 6 2	739
ublin and Kingstown	6	349,736	9	1064 2 3	16 157
undee and Arbroath		153,598	6	277 1 14	260
urham and Sunderland	19	302,116	2	535: 7:10:	634
Counties & North. & East	1 1244	4,090,328	5.	8276 19 2	1/4694
linburgh and Glasgow	46	1,686,926	6	2317 0 7	1:2856
lasgow, Paisley, and Ayr		1,104,773	6	1976 18 2	11664
asgow, Palsley, & Greenock	23	806,134	2	876 7 0	847
and Junction Company *	119	2,597,317	10	Little etters 18200	9193
ravesend and Rochester	7	85,000	- CT 3	206013-10	141
reat North of England	45	1,296,196	6	andres - ville	1905
ent Western	220	8,179,580	8	20101 5 9	16563
rtlepool		-	- man	1054 1 3	- Person 1
ndon and Birminghamt	176	7,417,217	10	37327 19 9	18842
ondon and Blackwall	4	1,078,851	14	826 1 7	1020
nden and Brighton	69	2,653,673	1.00	4551 12 2	3792
ondon and Croydon	10	842,592	31	1413 15 6	1175
ndon and South-Western		2,620,724	104	7010 5 8	6150
inchester and Birmingham		2,197,585	.6	4367 1 9	3760
inchester & Leeds	51	3,972,869	8	6302 0 11	5955
anchester, Bolton, & Bury	10	842,725	64	1073 6 5	926
dland Company	179	6,636,195	11.6	15905 0 11	11192
weastle and Carlisle	65	1,137,385	i Subit	1857 2 7	1385
weastle and Darlington	294	1,972,031	9.00	9757 17 2	1173
weastle and North Shields	100.70	346,869	19 M. 95	429 13 7	362
rfolk	59	573,818	in silini	1203 16 0	228
orth Union, Bolton &c.4	32	1,960,551	64	NOT ST. MILE PRINT	1448
eston and Wyre	22	432,014	16261	607 8 0	449
efficid and Manchester	19	1.313.225	24	1584 0 11	727
uth-Eastern and Dovert	103	4,284,994	34	6830 17 9	4482
W Vale	30	646,348	WOO.	1108 8 3	926
ster (4 .4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	25	356,353	r. 38 22	646 4 2 2	55%
rmouth and Norwich		250,037	ripfor L	sound of the	298
rk and North Midlend	53	1,632,859:	10	1 AITE 5 1	2433
ris and Orleans	82	2,002,916	118 700	6589 0 0	6015
ris and Rouen	84	1,995,306		5898 9 6	5230

Luxembouries and Aviguon—200 snares
Namm' and Liege—200 shares
Orleans and Vierzon—200 shares
Orleans and Str. Quentin—200 shares
Paris and Orleans—200 shares
Paris and Rouon—200 shares
Rouen and Havro—200 shares
Sambre and Meusa—200 shares
Straphres and Bada—140 shares
Straphres and Bada—140 shares

sburg and Bas

21

tho

PRICES OF MINING SHARES.

	Spender Missis A. C. of
Shares Company. Paid. Price.	BRITISH MINES—continued. Shares. Company. Paid Price
235 Andrew and Nangiles 254 50	256 South Wheal Rose 2 3
1000 Rarristown 42. 30	256 St. Austell Consols 23
4000 Bedford 24 0	1000 Stray Park 43 . 21 9600 Tamar Consols 3 . 5
and property seems to the tra	
8000 Blaenavon 50 40	256 Ting Tang 67 25
100 Botallack	128 Tokenbury 124 58
120 Brewer 25	256 Ting Tang
	256 Trenow Consols 170
198 Budnick Consols 30	Do Hestvean 10 200
100 Bwlch Cwmerfin 20 200	120 Trethellan 5 . 50
1000 Callington 19 30	120 Treviskey and Barrier 61 - 130
256 Caradon Consols 45 55 256 Caradon Copper Mine 9½ 8	128 Trewavas
256 Caradon Mines 41 36	4000 United Hills 5 . 41
256 Caradon United 24 25	100 United Mines300 900
256 Caradon Wh. Hooper 12 8	128 West Basset 10 20 256 West Caradon 20 340
1000 Carn Brea 15 130 114 Charlestown 240	128 West Cargoll 2 15
236 Chypraze 20	512 West Fowey Consols 40 35
236 Chypraze	- West Kekewich Consols 3‡ 256 Wheal Kekewich 4 15
5000 Con.Tretoil Mining Ass. 34 24	256 West Providence 10
	200 West Seton 50
128 Condurrow	120 West Trethelian 5 371
	256 West United Hills 1 5 256 West Wh. Friendship . 3 10
3200 Cornubian Lead Co 3	3845 West Wheal Jewel 11 2
240 Craddock Moor 9 39	2560 West Wh. Maria 1 3
128 Creeg Braws120 60 500 Cubert Mine10 30	2560 West Wh. Mitchell 2
500 Cubert Mine 10 30 1024 Devon & Courtney Con. 2 4	256 West Wheal Sheppard 10 256 West Wheal Tolgus 211 211
1024 Devon & Courtney Con. 2 4 1000 Dhurods	256 West Wheal Treasury 12 12
186 Dolcoath 80	
10000 Darnam County Cour. 45 5	6000 Wicklow Copper 5 161
128 East Pool	256 Wheal Albert 10 12 128 Wheal Asland 13 . 10
- East Wheal Albert 1 3	256 Wheal Allen 4
256 East Wheal Alfred 64 80	368 Wheal Anderton 101 111
94 East Wheal Croftv 450	128 Wheal Ann
256 East Wheal Kitty ‡ ‡ 128 East Wheal Rose 50 1200	256 Wheal Blencowe — 20 256 Wheal Boscastle 34 9
123 Fast Wheel Seton 94 16	236 Wheal Byon 3
512 Fowey Consols — 80	149 Wheat Cathorina 54 19
20000 Galvanised Iron Co 10 10	256 Wh. Cleveland 24 5
10000 Gen.Mining Co.for Irel. 1 1	68 Wheal Clifford 450
1000 Godolphin	256 Wheal Fortescue 3 18
128 Gover 23 200	304 WHEHI FIRMED 42 42
244 Grambler & St. Aubyn — . 28 100 Great Consols 1000 400	256 Wheal Gill 171 25 1000 Wheal Harriet 1
256 Great Calestick Moors — 12	128 Wheat Henry 5
0560 Company to the land Company of the Company of	109 Wheal Hope (Zennor) 23 25
100 Grogwinion 5 20	256 Wheal Hope 7 11
100 Great Mitchel Consols	256 Wheal Jane
1000 Hanson 5 3	1024 Wheal Maria 1 700
1000 HarrowbarrowOld Mine 21 3	4000 Wheal Martha Consols, 4 4
1000 Harrowbarrow Consols 24., 2	256 Wh. Mary Ann 5 75 1024 Wh. Mary (Calstock) 21 12
800 Hawkmoor 3 64 6000 Heignston Dewn Con 1 2	1024 Wh. Mary (Calstock) 22 12 256 Wheal Mary Consols 15 14
6000 Heignston Dewn Con 1 2 256 Herodsfoot 14 20	256 Wh. Mexico 3 6
10000 Hibernian 121 1	256 Wheal Norris 9 10
1000 Holmbush 14 25	128 Wheal Penrose 5 128 Wheal Pollard 112. 30
256 Ivy Tor	128 Wheal Pollard 112. 39 128 Wheal Prospect 4 9
2048 Lamerhooe Wh. Maria 21 6	128 Wheal Providence 4
128 Lanarth & Penstruthal — 150	128 Wheal Reeth 1 60 256 Wheal Robins 13 5
2048 Lanivet Consols	256 Wheal Robins 13 5 128 Wheal Rose 40 20
200 Larkholes 1 3 160 Levant — 150	256 Wheal Salusbury 13 5
1000 Lewis 12 3	512 Wheal Sarah 24 5
128 Ludcott 3 3	99 Wheal Seton150 840
20000 Mining Co. of Ireland 7 123	256 Wheal Sisters 254 50 128 Wheal St. Cleer 214 35
2800 Marke Valley 10 4 20000 Mining Co. of Ireland 7 12½ 1000 Nant-AT-Nelle 2 2½ 200 Nanterrow Consols 10½ 14	260 Wheal Trelawney 74 165
200 Nanterrow Consols 101 14	
126 New East Crowndale /1.	256 Wheal Trewennan 10
128 North Fowey Consols 10 25 100 North Pool	256 Wheal Trewennan
70 North Roskear 101 440	127 Wheal Virgin 20
256 North Treburget 4	1024 Wheal Walter 25 4
100 North United 41 20 128 North Wh. Providence 24 10	256 Wheal Williams 4 10
256 North Wheal Rose 264 35 15000 Northern Coal Co 23 . 2	· ·
15000 Northern Coal Co 23 . 2	FOREIGN MINES.
	5000 Alten Mining Company 141 14
128 Par Consols 500 256 Penhallow Moor 15 5 100 Penrhiw 30 65	15000 Asturian Mining Co 6 3 10000 Anglo-Mexican Co 100 3
100 Penrhiw 30 65	3374 Ditto Subscription 25 4
128 Pen-v-Cefn Mine v 50 55	2000 Bolanos 150 44
1280 Perran St. George Un. 13 20	12000 Ditto Scrip 15 5
19000 Khymney Iron 50 33 4	10000 Brazilian Imperial 21 41 12000 Cobre Copper Co 40 25
256 Rose Consols 10 7	8500 Colombian Co. regis 55
1000 Rosewall Hill 1 3	8500 Colombian Co. regis 55 5000 Ditto Scrip
1024 Roscarrock 21 2	5000 Ditto Scrip
2500 Silver Valley 2 21 256 Sourton Consols 31 5	5051 Mexican Comminy 59 6
128 South Caradon 5 460	12000 Mocaubas & Cocaes 25 84
200 South St. George 94 16	angen f Rl.del Monte, regis. } age f 34
200 South Harvannah 23 25	Ditto Red Debentures 19
800 South Towan	Ditto Black ditto
128 South Yeoland 161 281	Ditto Black ditto, — 17 Ditto Loan Notes 150 117
128 South Wheat Basset 200	7000 Royal Santiago 10 16 2000 Pachuca Mines 3 31
124 South Wh. Francis 100 1034 South Wh. Maria	11000 St. John del Rey 15 94
10000 Southern&Western,Irish 1 2	43174 United Mexican 284 4
	nts, or others interested, furnishing us with

. We should feel greatly obliged by agents, or others interested, furnishing us with such corrections for our Shave List as we may not have received through our usual channels of information—our object being, to present as accurate a list of prices as can be obtained—to procure which, we solicit the aid of correspondents in general.

LATEST CURRENT PRICES OF METALS.

Bars			LOND	ON	, M	AF 1, 1845.		De la v	11172	-111
	* 7 51 1 54 4	£	8. £	8.	d.	Marie Control of the	£	8. £	8.	d
Nail rods , 0	Inon -Bar a Wales ton	8	0-8	5	0	COPPER-Ordin. sheets, lb.	0	0- (0	10
Nail rods , 0	London !	9	0-9	5	0	bottoms .	0	0- 0	0	11
Hoop(Staf.), 11 0-11 5 0 bars 4 11-4 12 0		0	0-10	0	0	Tin-Com. blocks g. cut.	4	10 4	-11	(
Sheet	Hoop(Staf.), 1	1	011	5	0	bars	4	11- 4	12	(
Bars					0			13- 4	.14	. (
Welsh cold-blast South S	Bars ,, ,, 10	0	10-11	0	0	Straits A	3	18 3	19	
Scottch pig b, Clyde 3 5-3 6 0 Coke, IC 0 0 1 16 1 18 0 Rails 0 0 0 0 0 0 0 1 1 Rails 0 0 0 0 0 0 0 0 1 1	Welsh cold-blast?				0	Banca	0	0- 4	0	
Rajis	iounuty pig					TIN PLATES-Ch.,ICi, box				
Russian, CCND c. 0 0				6	0	" IX				
PSI 0 0		0	0-10	5	0	Coke, IC	. 0	0 1	- 5	0
Gourieff 14 S-14 10 0 Pig, refined 0 0-21 0 0	Russian, CCNDe (0	0	-		" IX	0	0-1	11	0
, Archangel 0 0—13 12 6 , conunon 0 0—19 0 0 Swedish d,on the spot 0 0—11 10 0 , Spanish, in bd. 0 0— , Steel, fagt. 0 0—18 5 0 0 , American 0 0—9 , kegse 0 0—14 10 0 SPELTER—(Cake) 1 0 0—18 10 0 COPPER—Tile f 0 0—92 0 0 Zixo—(Sheet) m export.* 0 0—30 0 0 Tough cake 0 0—93 0 0 QUECKSILVER 1 6. 0 0—0 4 6	. PSI	0	0	-						-
, Archangel 0 0—13 12 6 , conunon 0 0—19 0 0 Swedish d,on the spot 0 0—11 10 0 , Spanish, in bd. 0 0— , Steel, fagt. 0 0—18 5 0 0 , American 0 0—9 , kegse 0 0—14 10 0 SPELTER—(Cake) 1 0 0—18 10 0 COPPER—Tile f 0 0—92 0 0 Zixo—(Sheet) m export.* 0 0—30 0 0 Tough cake 0 0—93 0 0 QUECKSILVER 1 6. 0 0—0 4 6		4	5-14	10	0	Pig, refined	0	0-21	0	0
Swedish d, on the spot 0 0—11 10 0 Spanish, in bd. 0 0—	Archangel (0	0-13	12	6	common	0	0-19	0	0
, Steel, fagt. 0 0-18 0 0 , American 0 0 - , kegs 0 0-14 0 0 SPELTER - (Cake) 1 0 0-18 10 (COPPER - Tile f 0 0-92 0 0 ZINC - (Sheet) m export.* 0 0-30 0 (Tough cake 0 0-93 0 0 QUICKBILVER m	Swedish d,on the spot	0	0-11	10		Spanish, in bd.	0	0	_	-
7 , kegse 0 0-14 10 0 SPELTER - (Cake) 1 0 0-18 10 0 COPPER - Tilef 0 0-92 0 0 Zine - (Sheet) m export.* 0 0-30 0 0 Tongh cake 0 0-93 0 0 Quicksisves 1 10 0 0-0 4 6	, Steel, fugt.	8	0-15	0	0	, American	0	0-	_	-
Coppus Tilef 0 0-92 0 0 Zinc - (Sheet) m export.* 0 0-30 0 Coppus cake 0 0-93 0 0 Quicksilves n/b. 0 0-0 4 6	w kegse	0	0-14	10	0					
Tough cake 0 0-93 0 0 QUICKSILVERH	COPPER-Tilef									
					0					

[From our Corres

The business in Welsh and Staffordshire iron during the past month has lerate, and the prices have yielded 5s. to 10s. per ton. Scotch pig decline so of the month from 70s. to 62s, 6d, per ton; and a few parcels were sold at

the course of the month from 70s, to 62s, 6d, per ton; and a few parcels were sold at 60s. free on board at Glasgow; but it has rallied, owing to orders from the continent, and the month close at 63s, to 66s, at which many orders have been given.

COPFER continues as last quoted, with demand limited.

Tin has declined considerably since the date of our last, English having receded from 99s, to 91s, for blocks, with still a downward tendency; and foreign from 84s, to 78s, for 95s, to 91s, for blocks, with still a downward tendency; and foreign from 84s to 78s, though Sance can be bought at 80s.

Tin Plants.—Charcoals are as last quoted, with a very dull demand. Cakes have given way 1s, per box, and consequently many parcels moved off from the heavy stocks, and the appearance of the inon market, in plates are not expected to rally at present.

Ladd has been dull of demand lately, and the price has yielded 5s, to 16s, per ton, although several parcels were sold for the northern markets. We have no arrivals of American, nor any Spanish of soft quality.

Specific has fallen 20s, per ton since 2d uit. A considerable business has been dull of the sold that the support of the process of the sold of the sold of the process of the sold of the fall of the sold of the sold of the process of the sold of the fall of the sold of the sold of the fall of the sold of th

Aran 24.—We have had very little business during the week in pig-iron—bayers, although numerous, are not disposed to give full rates, and holders, being faw, are stiff. Sales have been effected during the week at 62s. 64. to 64s. for No. 3; 64s. to 65s. for proportions of Nos.; and 66s. for proportions of Nos.; and 66s. to 70s. for all No. 1—the latter figure being for favourise shipping brands, which are very scarce.—National.

Aran 25—(From a Correspondent)—We have symptoms of improvement this week; and I can state, on the best authority, that the stock has been reduced fully 30,000 tons since the beginning of the year, while the threatening aspect of the underground workmen is likely not only to preclude an increase on, but to reduce, the present production.

IMPORTATION OF COAL AND METALS INTO FRANCE.

The following is from the official returns of the importations into France during the first quarter of the present year, showing the quantities (in metrical quintals) arrived and consumed, and the duties received:—

884,835 fr. 867,302 17,486 182,306 3,034
 Coal
 131,881
 150,850

 Cast-iron (unwrought
 7,608
 8,245

 Copper (first fusion)
 7,608
 32,842

 Lead (in pigs)
 38,170
 32,842

 Tin (unwrought)
 1,424
 1,709

 Zine (first fusion)
 18,775
 19,340

 [The metrical quintal is 221½ English lbs.]
 21½ English lbs.]
 11.542

The whole return for merchandise generally, shows a total of 36,278,442 fr.—being 1,942,595 fr. more than in the corresponding quarter of 1845, and 2,269,787 fr. more than in that of 1844.

COAL MINER'S STRIKE.—On Mondsy last, a strike of miners took place in the neighbourhood of Wednesbury, at the following works:—Messrs. Lloyd, Foster, and Co.; Addenbroke and Sons; Bills and Mills; Bagnall and Sons; and Mr. Jones—in consequence of the expressed intention of the masters to reduce wages 3d. per day. A meeting was held on Tuesday, when it appeared there were about 1500 men on strike. The speakers spoke in strong terms on the injustice of the proposed reduction; and soveral applied to Messrs. Lloyd, Foster, and Co., who declared they should not in future give more than 3s. 9d. per day: so the matter rests at present.—The letters from Birmingham of last night (Friday), announce the miners to be still on strike, and that they seem determined not to resume work upon the terms proposed by the masters.

PERRAN WHEAL VIRGIN MINE.—Quite a sensation was produced at Truro, on Wednesday morning, in consequence of a discovery that was made on the previous evening at this mine. It appears that the mining operations here had hitherto been confined to an east and west lode; but the present improvement is the discovery of a north and south lode, six feet big, which, within two feet of the surface, shows a fine course of lead. Some stones of nearly one cut, each were broken by the captain, and forthwith forwarded to the principal adventurers at Truro early on Wednesday morning; several of whom, however, were not sufficiently wide awake to prevent their being duped by crafty jobbers. We have seen some of the lumps of lead at the Miners' Bank, and at Mr. Tregellas's office. An assay has been made, and the produce found to be 75 per cent. for lead, and 23\(\frac{1}{2}\) ozs. of silver in the ton of lead.

cent. for lead, and 23½ ozs. of silver in the ton of lead.

ROYAL INSTITUTION.—The anniversary meeting was held yesterday (Friday) afternoon, Lord Prudhoe, F.R.S., in the chair. The report stated, that the receipts had been greater by 2751. 9s. 4d., and the expenses less by 791. 4s. than those of the preceding year; whilst the general receipts of 1845, had exceeded the disbursements occasioned by every possible requirement of the institution, by no less a sum than 9081. 13s. With this in addition to a balance of 7881. 13s. from the previous year, they had discharged all debts (3422. 15s.), invested 3951, in the funds, and advanced, on account of the dibrary, a further sum of 2001, leaving a balance in reserve of 7081. 13s. The Friday evening meetings continued to keep up their high character of usefulness coupled with popularity. The total receipts of the year were 30121. 8s. 10d., and expenses, 21031. 15s. 10d.

COPPER ORES. tel Radruth April 30 1846 Samulad April 15 and 8

Mines. Ton	s. Price.	Mines. Tons. Price.
United Mines 128	8 £4 7 6	South Caradon 90 £5 7 6
ditto 12	5 4 6 6	ditto 69 9 12 6
ditto 12	0 5 7 6	ditto 60 4 12 0
ditto 11:	2 3 1 6	ditto 43 4.16 6
ditto 10	5 4 7 6	ditto 21 7.10 6
ditto 104	4 5 4 0	Treleigh Consols 97 8 7 6
ditto 100	0 5 6 6	ditto 93 4 1 0
ditto 7	5 3 16 0	Creeg Braws 94 4 8 6
ditto 7	1 2 12 6	ditto 23 6 4 6
ditto 7:	3 3 15 6	ditto 19 4 1 6
ditto 7	2 4 7 6	Par Consols 70 4 5 6
ditto 7	3 13 6	ditto 61 4 15 0
ditto 70	4 7 6	Wh. Sisters 61 4 5 6
ditto 69	5 10 6	ditto 28 7 6 0
ditto 65	3 16 6	Penstruthal 21 4 8 6
ditto 59	3 16 0	ditto 11 5 18 0
ditto 54	4 4 19 6	ditto 4 25 0 6
ditto 26	3 16 0	N. Downs 16 4 13 0
South Caradon 9	4 4 12 6	Pembroke 1 6 15 0

ditto 93	4 17 0	and the second second		
The state of the state of	TOTAL	L PRODUCE.	12 Trees	
United Mines 1497 s South Caradon 470	£6462 1	6 Wh. Sisters	89 ₤	465 3
South Caradon 470	2675 3	Penstruthal	36	257 18
Creeg Braws 136	636 11	Pembroke	1 inter	6 15
Par Consols 131	589 0	04		

COMPANIES BY WHOM THE ORE						
	Toms.	Min. Iwa	Amo	unt.		
Mines Royal						
English Copper						
Vivian and Sons						
Freeman and Co	214		747	. 2	0	
Grenfell and Sons	500		. 2104	7	0	
Crown Copper	46	·	. 188	6	6	
Sims, Willyams, and Co						
Williams, Foster, and Co	53	1	. 2910	5	0	

Total tons ... 2566 1 6
Copper ores for sale or Thursday next, at Tyack's Hotel, Camborne... Mines and Parcels... North Roskear 952—Consolidated Mines 737—Tincroft 502—Fewey Consols 366—South Roskear 257—South Wheal Basset 221—Wheal Harriet 177—Dodeouth 133—Eas Wheal Crofty 123—Wheal Vyyyan 69—South Wheal Francis 63—Wheal Clifford 92 *Tretoil 45—Hanson Mines 31—Marfley's Ore 30—Wheal Bucketts 28—Jorey's Ore 20—North Pool 16—Martin's Ore 15—Charlestown United Mines 12—Total, 3898 tons.
Copper ores for sale on Thursday week, at Androv's Hotel, Reiruth... Mines and Parcels...—Carn Brea Mines 758—Par Consols 350—Wheal Frosper 342—United Hills 317—Levant 258—Trenow Consols 221—Hallenbeagle 190—Botallack 120—West Wheal Trea sury 84—Harrey's Dress 82—West Wheal Jewel 66—Ting Tang Consols 50—Carn Per ran 48—Wheal Bullet 47—Redrath Consols 21—North Wheal Basset 19—Wh. Catherin 4—Wheal Sally 2.—Total, 2979 tons.

COPPER ORES Sampled April 7, and Sold at Stranger April 99 1846

Mines.	Tons.	Prod.	Stand.	Pr	ice.	Mines. Tons. Prod. Stand. Price.
Knockmahon	114	84.	1011 4	6 .	9. 6	Cobre 81 131 85 £9 10 (
ditto	.110	74.	.1014	5	7 .	ditto 80 131 852 9 12 (
ditto	. 97	61.	. 1054	4	6. 6	Bereliaven 94 10 954 7 6
ditto	. 95	104.	974	8	2. 0	Llandidno 86 9 991 6 13 (
ditto	68	64	1034	4.1	4 6	Copispo 84 251 824 18 13 (
ditto	63	61.	. 1034	4.1		Holden Slag 27 3 126 1 10 (
ditto					0 0	ditto 11 42109 9 10 (
ditto	. 16	101.	944	7 1	8 . 0	Hafodyllan 21 51 1094 3 10
Cobre	. 100	132	874	9 1	7. 6	ditto 6 24 199 1 49 4
ditto	. 98	131	874	9 1	7 6	ditto 4 104 915 7 19 6
ditto	. 96	137	854	9 1	2 6	Sicilian 7 152 86 11 8 . 6
ditto	89	134	86	9 1	3 6	Molland 3 64 103 4 1 (
	S. MASSIE	The second	STATE THE	TOT		PRODUCE.
Knockmahon.		593	·	9 15	. 0	Holden's Sing 38 £ 64 19 (
Cobre		544	528	1 12	.0	Hafortyllan 31 115 6 (
Berehaven		94	68	6 4	0	Sicilian 7 79 16 0
Llandidno		86	- 57	4. 1	0	Molland 3 12 3 0
Copiapo		84	-156	6 49	0	and an armining of the high the second of the second
						the Sand Share till edited but I do to the

Total tons, 1480. Total amount, £11,774 13s. 0d.
COMPANIES BY WHOM THE ORES WERE PURCHASED.
English Copper Company
Freeman and Co 208 10. 0
P. Grenfell and Sous
Sims, Willyams, Nevill, Druce, and Co. 42 99 7: 0
Williams, Foster, and Co 563 3254 15 0
The state of the s

Copper ores for sale, May 13. — Berchaven 125, ditto 199, ditto 199, ditto 190, ditto 19

BLACK TIN

and the second second	The state of the s
ditto	Tous. Price. Amount. Purchasers. 34
	Total tons, 74. Amount of money, £381 6s. 10d. Sold on the 25th of April, 1846.

THAMES TUNNEL COMPANY.

ngers who passed through the Tunnel in the week ending April 25,

wa-20,036; amounts, money, £83 9-10d.

NOTICES TO CORRESPONDENTS

he first of the SERIES of PAPERS on the METALLURGICAL TREATMENT of ORES will be published in our next Journal.

will be published in our next Journal, appears Blaendare Welsh steam coal; we are informed, by a correspondent, that no coal being shipped under that name, it must have been that known as Davis's Blaengawar steam coal. The name, as we gave it, was copied from the official list; but, of course, we readily adopt the correction of our correspondent, for whose communication we field obliged.

"A Subscriber" (Bilston).—We cannot insert the communication respecting the occurrence at Mr. Kirby's, Millfields—our correspondent should address the police authorities of the district.

THE MINING JOURNAL And Atmospheric Railway Gazette.

LONDON, MAY 2, 1846.

We call attentien to an article in another column, being a correct statement of the prices of mining materials, on the 1st May, 1843, 1st April, 1845, and 20th April, 1846, which shows, at a glance, the variation which has taken place; and it will be seen that, while a considerable increase in price was obtained in 1845 over 1843, the advance in materials, either of iron or brase, in 1846, over the preceding year, is comparatively small. Much has been said of the evidence of a certain engineer, before a committee of the House of Commons lately, in which he asserted that the cost of construction of railways would now be 50 per cent, over last year; but from this table (although, for mining utensils, it will form a criterion) it appears that no description of iron implements have much risen in value, except rails; and, as timber and labour are no dearer than last year, it appears to us, that had that gentleman stated 10 per cent. increase, instead of 50, he would have been much nearer the truth. We have taken considerable pains to render the table correct, and which, we have no doubt, will prove valuable for reference. rect, and which, we have no doubt, will prove valuable for reference.

We have had an opportunity of inspecting the accounts of the Devonshire Great Consolidated Mining Company for the 12 months ending the 31st March, prepared for presentation at the meeting, to be held on Monday next, and which show the proceeds of a mining specuheld on Monday next, and which show the proceeds of a mining speculation, scarcely, if ever, before equalled. It appears from this document, that the proceeds from the mines during the past year amounted to 13,292 tons of copper ore, and which produced the almost unprecedented sum of 110,250l. 10s. 11d. The total money paid on the shares of these prolific mines has been only 1l. per share on 1624 shares, amounting to 1024l.; while dividends have been paid during the past year to the amount of 71l. per share, or 72,704l.; there also being a reserve fund already amounting to 2620l., with balance at the bankers of 2303l.8s.4d., Exchequer Bills for 2500l. in the strong box, and nearly 20,000l. worth of ores at grass. This is a most prosperous position, and which certainly no other existing mining company can boast. We look forward with interest to the proceedings at the meeting, which we shall print fully in our next Journal. print fully in our next Journal.

In another column, will be found an opinion, obtained by the directors of the National Brazilian Association, from G. COCHRANE, Esq., the barrister-at-law, of 77, Chancery-lane, on a case submitted to him—whether the holders of unstamped shares are entitled to rank as shareholders? We have, on several occasions, adverted to the improved prospects of this association,—and have held, that those shareholders, who virtually abandoned the company and the to the improved prospects of this association,—and have held, that those shareholders, who virtually abandoned the company and the mine when in adversity, have now no right whatever, either in a moral and common-sense view of the subject, or in law or equity, to come in for a portion of that which was obtained by the perseverance and the expenditure of others. We are happy to see that we are supported, in the opinion we have so often expressed, by gentlemen of long legal experience, and by the highest authorities in the law, on occasions of giving judgment in mining cases precisely similar. We think the holders of these shares will do well to pause before they take any legal measures for compelling the directors to acknowledge them as shareholders; as, if there is any principle of equity in our courts, followed out by successive judges—if the laws are made to protect those individuals, who, in a spirit of enterprise beneficial to the nation at large, still persevere in the prosecution of large speculative commercial undertakings, although deserted by a large portion of their originally co-adventurers—if the advancement of capital for prosecuting those most uncertain of all ventures, mining researches, is to secure to those only who have risked it the returns which may arise, and not for them to be pounced upon by others, under a spurious pretext that they once subscribed to the undertaking, but which at the time was unproductive—we think there can be but one opinion as to what the result will be—viz., expense, disappointment, and unavailing regret.

In our advertising columns will be found a report of the Blaenavon Iron and Coal Company, submitted to the shareholders at the annual meeting, held on the 24th ult., and which presents another proof of the present prosperous position of the iron manufacture, brought about principally by the introduction and vast extension of the railway system in England and on the continent. Our readers, more particularly those connected with the iron works of the kingdom, will call to mind, that for years this company was not only not realising any profit, but every annual investigation gave evidence of continued and increasing losses, to an extent which even prevented them from writing off 10 per cent. from the preliminary expenses and suspense account—a plan which had been adopted on the establishment of the company. It was with much pleasure we noticed the return to profits in 1846, in November of which year a dividend of 11. per share, amounting to 80001, was declared. It will be seen, on reference to the report, that the affairs of the company are now in a prosperous and promising condition—the entire profit for the year having been 34,6591. 5s. 9d., enabling the directors to write off 30 per cent. from the preliminary expenses, and 54031.0s. 1d. from 1961. So per ceut. from the preliminary expenses, and 5403/.0s.1d. from profit and loss; and to declare a further dividend of 20s. per share, payable in July next. Although the shareholders have, at various times, given authority to the directors to raise funds for the completion of new works, which would bring a considerable portion of the company's resources into profitable working, the state of the trade has been such, that all their attempts to raise the necessary capital has failed. such, that all their attempts to raise the necessary capital has failed. It is, therefore, now proposed to issue debentures, at 5 per cent, per annum, for five years, convertible, if so desired by the holders, within that period, into shares at par; or to borrow a further sum on mortgage, whichever plan may appear most advisable; and, in the present highly prosperous state of the company, we should expect there could be no difficulty in carrying out a measure, whereby the company will be able to avail itself to the fullest extent of the great resources they have at command, and to realise those profitable returns, which the present demand for every description of fers. There is one feature in the report, which was unanimously come to, awarding 100, to an infant school for the children of the workmen—a decision which reflects the highest credit on the company, and is well worthy of imitation. uch, that all their attempts to raise the necessary capital has failed

Our Gallie contemporary, the Moniteur Industrial, with its usual virulence against the progress making in the iron trade of this country, and the great demand for British iron in France for railways and shipbuilding, has made a severe attack against the commisses of the Chamber of Deputies—the merchants and railway directors—at the idea of wishing the Government to reduce the duty on foreign from as it would be the raination of the forgemasters. He argues, and that very justly, that the French Government ought to give every encouragement it can to the making of iron in the fur-

aces of that country, so as to compete with this and other states; but it cannot do more than it is doing, as France has not the materials, or means, to produce a sufficient quantity to meet the deman han it is de riais, or means, to produce a same ent quantity to meet the demand that is making for fron, rails, &c. According to his calculation, the price of rails in England at present is 12L per ton; Belgium, 13L; Germany, 17L 10s.; and in France, 16L 10s.—so that, if she is to have her iron either from England or Belgium, it will be just as dear, especially should many of her high furnaces be extinguished. Next year, he states, the production of their iron and cast metal will amount to at least 8,000,000l. sterling. "Is France deficient in iron ore, wood, coal, and all the primitive materials necessary for the making of iron? Certainly not—it is superior in quality, and may, perhaps, exceed in abandance, the iron ores of England and Beland notwithstanding the bad legislation of our forrestrial laws and administration, we have more wood fuel than England and Beland administration, we have more wood fuel than England and Belgium,—and not only is coal cheaper at the pit's mouth in France than in England and Belgium, but her rich coal mines are more considerable, and far surpass those of either country." We should like to ask our contemporary, how it is that, if France is so rich in coal mines, and in iron ore—as he, no doubt, has suddenly discovered—that the Government of France is obliged annually to enter into very extensive contracts for the supply of Newcastle coal, for the present of the courtry not have of the top the property of the programment. use of her steam navy, that of the country not being fit for the purpose? We might say the same with respect to cast iron for ship-building and other constructions, when they must invariably come to England for their good materiel.

Throughout the long pending controversy, as to the best railway line for the county of Cornwall, we have ever given the preference, because upon investigation a just preference appeared due, to a Central project. It has never been a consideration with us from whom the scheme emanated, or who were the parties promoting it. Our one care has been to give our spontaneous advocacy—and, we will add, our earnest support—to that line which embodied in a new sense the old substance of the transcendental maxim, the greatest good of the greatest number y by whoever submitted, we have given our assistance to that line which appeared able to afford the greatest amount of transit accommodation to the entire district. The recent efforts of the county prove, that an efficient Central line is as attainable as a Coast line, under the most favourable circumstances, could possibly be. The experience, also, of the last few months—of the last few weeks even—has proved to a demonstration, that the capital and influence of the Great Western, whose is the lordship of the Coast line, could avail nothing against a Central project in the hands, and under the management, of persons competent to the direction of a circle of efforts, including some of considerable complication and detail. If it were otherwise—if a Central line was in any of its elements impracticable—we are not such optimists as to refuse a line that could be had, for the sake of a better one that could not. We would then take the next best—however circular, however zig-zag, the circumstances of the case, and the topographical character of the route, might render it. But the county is driven to no such alternative—there are two substantive Central projects waiting its adoption either of which exceeds the Plymouth project, in the public convenience, in the trading and commercial advantages conferred upon the district, as much as in height Olympus exceeds a mole-hill. We district, as that as in neight Olympus exceeds a mole-init. We need not, for the fiftieth time, go at large into the particulars of a Central and of a Coast project, but repeat here the substance of the Parliamentary evidence, that, upon the whole, the line to Plymouth is slow, circular, and dangerous, and that a Central route through the county to Exeter is safe, rapid, and direct. Apart from every engineering and social advantage connected with this or that line of gineering and social advantage connected with this or that line of railway, nothing is more apparent than the impolicy of indirect lines—it is like charity, which, if a man have not, he may be said to have nothing at all. If a line is nearly perfect in all the other properties of a railway, but largely wants directness, that want is fatal. Such an ambulative line will be shortly and necessarily merged in one having less of that capital defect adhering to if. As it is, you must take the Plymouth line, with its melaucholy speed, its funeral pace, of 15 miles an hour, with the increased distance by that route. to Exeter,—or, the county must make up its mind to fight over again—and win it too—the battle for a Central project. Among other things, which a line taking a merely sectional or Coast route to Plymouth must leave undone, would be this—that it would leave grievously unpromoted the intercommunication of the towns. It would also, from the same primary vice, minister inefficiently to the transit of ores, timber, coals, and mining materials—so characteristic of, and so essential to, the district. These, with the entire merchandise of the county, would be carried away from their true route like a stream that has broken its banks, and a serious amount of time unnecessarily consumed, and money wantonly spent, would be amongst the penalties of a departure from the natural traffic route of the district. A coast railway will undoubtedly be tantamount to the permanent imposition of a tax on the trading interests of the county. But, perhaps, the greatest injury arising out of the adoption of a Coast line would be this—that the whole district would thereby of a Coast line would be this—that the whole district would thereby be placed at an increased distance (of two or three hoars in time) from the metropolis; its indirection, and the low speed obtainable on it, making up this additional period. In estimating the merits of these lines relatively, the great importance of connecting by a direct line the port of Falmouth with Loudon, must not be overlooked. This port lying low down in the Channel, and reposing on the margin of the Atlantic, is, from its position and capacity, better adapted than any other on the southern sea-board of the kingdom, for a rendezand a roadstead to the merchant navy of England traversing th deep waters of that sea. It is also the aucient mail port of the king m, and lost that privilege and distinction as soon as Southampton came linked to the metropolis by a direct railway. There is no became linked to the metropolis by a direct railway. There is no reason to doubt—nay, the Government would as a duty consent to the restoration of the mails to Falmouth, when the friends of Falmouth have done for it, what the friends of the Hampshire port have so well accomplished—namely, buckled it to the metropolis by the belt of a well considered and a well ordered railway. The haven itself is one of the most accessable and most secure of any that fringe the sea wall-of this well harboured island, and the larger part of these advantages, its several features of national utility, will be

these advantages, its several features of national utility, will be thrown to the winds, by accepting, as part of the highway to town, the circular and slow route through Plymouth.

Shut up, therefore, both in reference to its present and prospective interests, as the county manifestly is, to a Central line, the public will choose between the most costly and onerous undertaking, in seeking which they have already failed before Parliament, and another, a far more easy and economical project, whose capabilities have not yet been examined, and whose fortune before Parliament has never yet been tryed. An examplifiation of 100,0000 instead of have not yet been examined, and whose fortune before l'arriament has never yet been tryed. An expenditure of 1,000,000l., instead of 3,000,000l., and the creation by the lesser outlay of a line in every essential property as good as the more costly one, are points demanding the maturest consideration; but in this particular, as it is a question of means to an end, and the end being in each case nearly the same, we will not now intrude our own veiws in respect of it. the same, we will not now intrude our own velws in respect of it. There is one consideration, however, that must largely interfere with the judgment of the county as to this branch of the subject—namely, that a bill for the Cornwall line may be obtained this session; it is at present proceeding somewhat too swimingly to justify any very ardent hopes of its failure. Should it succeed, any scheme providing for the restoration of the Devon and Cornwall Line, as recently before the public, would be, in the largest sense of the word, proposterous; for the whole resources of the district would be far short of the necessary sustentation of two trunk lines. In that case, a line to Exeter, projected from the trunk of the Corn-

well Line, near St. Austell, would be all that the county absolutely needed—all that it ought to seek—and all that the Legislature, upon the most plausible and exparts representation, would, in any likelihood, be disposed to grant. It is true, that the present functional hood, be disposed to grant. It is true, that the present nuctional inactivity of Government, together with the contingency of a dissolution, both Parliamentary and Ministerial, largely looming up in the proximate horizon, may render these considerations of less immediate urgency than if the machine of Government were working with its ordinary vigour; but nothing can long suspend—nothing can eventually one whit abate—the materiality of this railway question, to the important districts affected by its decision.

We direct the attention of our readers to an article in another co We direct the attention of our readers to an article in another column, on the working of the zinc, lead, iron, and coal mines of Stolberg, in the vicinity of Aix-la-Chapelle, which proves the rapid progress making in mining operations in Germany, more particularly zinc, which is daily becoming an article of the greatest demand all over the continent, in this country, and every part of the globe, as it can be applied to so many useful purposes, in the galvanising of iron, sheathing of vessels, covering for railway stations, building of houses for the colonies and other articles to suppose the defense of the colonies. houses for the colonies, and other articles, too numerous to define. By the report of the directors of the Zinc Company of the Vieille Montagne, with which we have been favoured, it will be seen, that it is a very prosperous undertaking, and will be more so in a few years hence, yielding a good profit to those adventurers who have been fortunate enough to obtain shares in it. The quantity of zinc expected to be obtained this year from the ore extracted from the mines is estimated by the directors to yield, on an average, 6500 tons of metal, which, after having been flattened, will meet with an immediate sale in Belgium and France, where the demand for zinc is increasing daily. One great quality of the zinc of the Vieille Montagne is, that it is pure and very malleable, and can be worked easily when cold. The ore is so rich, that the cost price is under per ton to the company, after all expenses, which, at the present market price, renders a most lucrative return.

In our present Number will be found some observations and statistical details on the monopoly, with respect to the salt trade in France—a subject which we have animadverted on upon various occasions, as being most oppressive to an important branch of neral industry, as well as to commercial enterprise, and one which closely connected with the health of a population. The question of the reduction of the tax upon salt has, for several years, been brought forward at intervals by various members in the Chamber of Deputies. The different Ministers of Finance have repeatedly pro-mised a reduction; but the returns from this monopoly in the hands of the Government contributes so extensively to the Exchequer, that each successive Minister has hitherto found it to his interest to withhold the promised reduction—though they must be aware, that the time is approaching, when all oppressive direct taxation on the necessaries of life must be abandoned; while, from the extensive and rich saliferous beds, which exist in various parts of the kingdom, it is pretty certain that a very large reduction of duty would produce an increased revenue, from the impetus which it would give to the varieties of sale misers. to the working of salt mines. The subject was warmly disculast week in the Chamber of Deputies, and a bill was passed, reducing the tax from 11. 4s. 6d. to 8s. 4d. per metrical quintal—this reduction, which, however tardily wrung from the Government, as it is not to come into operation until 1st January, 1848, is still something; it will reduce the price of salt 2d. per 1b., and is at least a step towards further concessions; still the Government retain the monopoly of the trade, and the present measure will do but little to induce proprietors of mines to work them with any spirit. We trust the question will continue to be agitated until an entire free trade in so important an article is secured.

THE IRON TRADE IN FRANCE.—The last accounts from St. Dizier represent the manufacturers of white cast metal as being without stock on present the manufacturers of white cast metal as being without stock on hand, and that purchasers had been glad to enter into arrangements with them for a long term, at 7l. 8s. 4d. per ton, delivered at St. Dizier—a very considerable sale having been effected at that price, deliverable between November, 1846, and July, 1847. The reports from Paris announce, that in consequence of the scanty arrival of iron in their markets, the prices were fully sustained, particularly flattened iron, made by wood, which is quoted at 15l. 12s. 6d. to 16l. per ton, of the first quality. A meeting of ironmasters had been held, to carry the classification of the qualities to 2s. 6d. The half rock iron keeps up its price, 14l. 16s. to 15l. 4s., in consequence of the scarcity of assortment. Rough cast and moulded metala are always in favour. It is generally supposed, that in consequence of the principal forgemasters being bound by heavy contracts of iron and cast metal, shortly deliverable, the prices will, in all probability, be fully maintained during the present year. There is a considerable scarcity of iron at the markets of St. Dizier and Paris, and the ironmasters are not able to meet the increasing demands making for railways, and other purposes, although markets of St. Dizier and Paris, and the ironmasters are not able to mee the increasing demands making for railways, and other purposes, although numerous furnaces have been recently put in full blast. A great quantity of iron is now imported from this country and Belgium, notwithstanding the duty, as the railway contractors are nearly at a stand still for material

the duty, as the railway contractors are nearly at a stand still for materies.

General Mining Association.—In the Mining Journal of the 18th ult., we offered some remarks on the state of mining in Nova Scotia, with regard more particularly to the mines worked by the General Mining Association; and in the last Number appears a letter on the subject, from a correspondent, who complains that, although the coal mines must be extremely profitable, not one farthing has been returned to the proprietors. Notwibstanding it is now seven or eight years since the last general meeting was held, call after call has been made on the shareholders, who appear to have no voice whatever in the proceedings, or control over the funds advanced. Several applications have been made to us, as to who are the directors,—and why are not the shareholders called together, following the example of the Bolanos, Real del Monte, Imperial Brazilian, United Mexican, and other large mining undertakings. We are reminded, by a correspondent, that the last meeting was a very stormy one—the shareholders present indulging in well-merited animadversions on the conduct of the directors. The close system still pursued by them makes it but too apparent that they dread another encounter with the ill-treated co-proprietors, and savours strongly of the pursuance of a system which will not bear investigation. Although half a million sterling has been advanced by the shareholders, and they are making immense sales of coals, not one sixpence has yet been returned upon so large a capital, nor have the holders any knowledge how their money is expended, or in what position they are placed with regard to their mining property. It would apthe holders any knowledge how their money is expended, or in what position they are placed with regard to their mining property. It would appear that the prospects of the association, with regard to the coal mines in Nova Scotia, are of a most advantageous character, were they followed up by men of spirit, who would make the most of the circumstances of the times. The district is fertile in mineral wealth; and notwithstanding the present inquiry, recommended by the committee of the House of Assembly, the association is able, were its energies properly directed, to work sufficient coal, and other minerals, to pay a good dividend to the proprietors. It does appear to us a most extraordinary anomaly, that shareholders should be compelled to pay calls upon calls, made by an irresponsible body of men, who refuse or delay to call meetings, to inform them in what position they stand, or to give the least insight into the state of the accounts, or in what way the funds are disposed of. If such a state of things really does exist—and we are assured by several shareholders that such is the case—we can only wonder they do not call a public meeting on the subject, and pass such resolutions as would induce, or even compel, the directors to throw some light upon their proceedings.

ELECTRIC LIGHT.—We have much pleasure in announcing, that we shall be enabled to publish, in next week's Mining Journal, the specification, with engravings, of King's Patent Electric Light; and also an article, containing facts and observations relating to this interesting subject, showing the novelty and importance of the invention.

It is said that a French mechanic has invented a system of signal lights by the means of coloured glasses, which, according to their position at the mast-head, indicate the direction of vessels at sea.

MINING IN IRELAND. It is with much gratification we are enabled to te, that the pre st position and prospects of the Wickley Coppe ing Company are highly encouraging, particularly the Ballymurtagh Mine. which has now produced handsome profits for many years; and from the liberal scale of tutwork carried on, in opening on the lodes, in advance the ore taken away, there is every reason to expect the present state of the ore taken away, there is every reason to expect the present state of productiveness to last for many years. The general appearance of the copper ore in the bottoms is exceedingly good; and in the 110 fm. level, going west, with whole ground above it to surface, they are extending the level on a very valuable body of fine ore, with a strong mining force; and those works are followed up in a very spirited manner, by sinking shafts and driving cross-cuts, fully to develope this level. The monthly raisings of copper ore have, for some time past, averaged 400 tons per month; and iron pyrites, for the extraction of sulphur, amount to from 1000 to 1200 tons per month. As the amount of copper ore from this mine, in the Ticketing papers from Swansea, does not average near the above sum, it is iron pyrites, for the extraction of support, and the mine, in the Tictons per month. As the amount of copper ore from this mine, in the Ticketing papers from Swansea, does not average near the above sum, it is
necessary to state, that a large portion of the ore is sold by private contract. The sinking of two new perpendicular shufts has been lately completed from grass, which take the respective lodes at 130 to 140 fms. deep.
A 50-inch cylinder pumping engine has been erected on one, with pitwork
of proportionate strength and magnitude; and a 20-inch cylinder steamwhim on the other, which, with two other steam-whims, crushing, and
stamping machinery, constitutes the extent of the present mechanical
power. From these statements it will be seen, that there is every reason
for congratulation; and as a convincing proof of the estimation in which power. From these statements it will be seen, that there is every reason for congratulation; and as a convincing proof of the estimation in which the property is held by the directors, we may state, that more than half the shares are held by them, and their immediate friends; and it must be a source of much gratification to all concerned, that the mine has been now worked to a handsome profit for a considerable number of years, paying from 20 to 25 per cent. per annum on the capital invested, and giving employment to a large number of the population—thus securing to themselves and families a full abundance of the necessaries of life.

The Zinc Mines of the Vieille Montagne.—The shareholders in this company, held their general meeting, at Liege, on the 14th alt. The

THE ZING MINESOFTHE VIEILLE MONTAGES.—The shareholders in this company, held their general meeting, at Liege, on the 14th ult. The accounts for 1845 were sobmitted and approved of; from the report of the directors, it appears, the gross profit in the year amounted to 94,483f.—from this amount, however, there was to be deducted the following sums:

—For new buildings, 2877L; for redeeming of rent, 4068L; for interest paid the shareholders, 10,080L; and for clerks and office expenses, 200L.—so that the net reads to be defined as a point 77,539L. For the less five paid the shareholders, 10,0804; and for clerks and office expenses, 2004.—so that the net profit to be divided was about 77,5394. For the last five years, all the new buildings have been paid from the profits, and, notwithstanding expenses, there had been paid off since the establishing of the company, successively, 54,2434 from the original debt. The reserve funds are increasing annually, by additions from the profits, and had amounted, on the 1st January, 1846, to the sum of 102,6434. As this increasing sum might become rather an embarrassment to the company if laving dead it.

years, an ten new otherwise are even paid off since the establishing of the company, successively, 54,2436, from the original debt. The reserve funds are increasing annually, by additions from the profits, and had amounted, on the lat January, 1846, to the sum of 102,6436. As this increasing sum night become rather an embarrassement to the company if laving dead, it was resolved last year to employ part of it by placing it at interest, and paying off debts. The company has effected this to a very great extent, by distributing to the shareholders certain proportions, so as eventually wholly reimburse the nominal capital of the shares without altering the position of the shareholders—only that the scrip which bears an interest for the amount of the nominal capital, will become, in a few years hence, bond side shares; thus the society will have repaid its primitive capital, which will be reconstructed by the reserve funds: each shareholder, independently of the 2t percent, interest on his investment, will receive a dividend of 10d, on the 10th of July next—they will have received for 1845, at the rate of 40 per cent, on the mominal value of each share. After having given a detailed account of the financial position of the company, the directors considered it their duty to caution the meeting against the inframous insinantions which had been maliciously propagated by jeolous parties, respecting their property, and the concession, or grant, of the Vieille Montagne. The company the Citathnax stated, had established its rights as concessionnaires, or leaseholders, according to the terms of the law of the 28th July, 1791, for a term of 50 years—being the longest lease, or grant, allowed by that Act; but, in consequence of the law of the 28th July, 1791, for a term of 50 years—being the longest lease, or grant, allowed by that Act; but, in consequence of the law of the 28th of April, 1810, the company in Belgium and Prussia, as it is owners of the same grant or title of concession. The law of the 28th of April, 1810, th and the profits will be according to the returns of per cent., payable on the 2d of January.

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Alarortation of British Coal, 1870 France.—From a return, with which we have been favoured, it appears that, in 1845, there arrived at Rouen 160,000 tons of British coal, and about the same quantity of wood, for fuel, from the north of Europe—Swelen, Norway, Russia, &c. A considerable quantity of iron, copper, and lead, hemp and flax, pitch and tar, &c., not only from this country, but the north—alt of which passed up the River Seine direct, or by way of Havre de Grace. Rouen is one of the most important manufacturing cities in France, and is renowned for the superior quality of its cotton factories, rivalling those of St. Quentin. The number of these establishments, in the town and vicinity, amounts to upwards of 500; and it is justly looked upon as the Manchester depot of the country. The larger portion of these factories are worked by steam-engines and hydraulic power, or water mills, constructed by English engineers; and the foremen, as well as the leading workmen and mechanics, to the number of nearly 800, have been decoyed from the best cotton factories in the United Kingdom, at good wages, to superintend and instruct the native population in the process adopted in this country. Rouen has many advantages over other cities, at it is situated on the right side of the Seine, the tide flowing up sufficiently to allow vessels of 200 to 300 tons to land and take in their cargoes, and a constant communication exists with Havre by steam-boats, which affords great facilities to commerce. The annual consumption of English coal in the factories, gas establishments, and forges, in the vicinity, is rapidly on the increase; and when the railway from Paris to Rouen, Havre and Dioppe, is faished, it will be greater.

Time Land Minns or Spain.-A co ome time ago, by the Spanish Government which was Senor Don Felipe Narranjo y Garza, of the corps of mining which was Senor Don Felipe Narranjo y Garra, of the corps of mining engineers—to inquire into the principal lead and antimonial mines that are actually at work in the province of Zamora,—the result of which has been published by the Royal Society of Mines, from which we extract the following:—The most important mines which are in full operation in the province of Zamora, are two—namely, the chair and look peng argentiferous lead, and belonging to a company, the chairman or president of which is his excellency General Manso; the other mine, called Generala, is antimony,—also argentiferous, although of various qualities,—and is worked by a company, the chairman of which is his excellency the Duke of Castroterreno. There are, however, many other valuable mines known to exist, but which have, to the disgrace of the proprietors, not been worked to a greater depth than 19 varas (or yards), although they offer, in a scientific point of view, a great opening to mining industry, if carried on by spirited and monied parties, particularly that of Losacio, forming a continuation of the Carvajales. The prevince generally contains some very valuation of the Carvajales. The prevince generally contains some very valuable beds and veius of rich ore; and all that is wanting, is to work them properly, and they are certain of yielding a good remunerating profit. The whole of the Sierra, or ridge of mountains, are evidently metalliferous,—consisting of antimony, oxide of iron, the veins running W. 30° N., with an inclination to the south to about 50 to 80°. There has been discovered, antimony ochre, mixed with arsenic, sulphur, and acid of antimony, in different parts; but unfortunately none of the mines are worked with sufficient skill, the shafts are not sufficiently deep in order to carry off the water, as then the ores could be got at with great facility, and little labour. The lead mines, or ores of consequence, are situated at the distance of about 1000 yards to the south of the former, and in the northern limit forms a strat engineers to inquire into the principal lead and antimonial mines that forms a stratum of granite, very abundant in mineral. The first display of the veins is at the entrance of the shaft of the Clara Mine, which is chiefly formed of granite and small quartz—in other parts it is rather argillacious, and soft to the touch, having the appearance of kaolin or decomposed felspar, proceeding, no doubt, from the same granite rock in which the veins run. They are more prominent in the portion of the shaft half-way between the well or pit called Vigilante, and after that between the subterraneous passage known under the name of Buzon, where the principal deposit, or bunch, is found—composed, in its greater portion, of sulphur, arsenic, carbonate of sulphur, sulphuret of lead, containing a large quantity of chlorides, sulphurets of silver, which are of great benefit to this metal. They have unfortunately limited, at present, the depth of the excavating of this mine to only 19 yards, although the shaft towards the south has been sunk to 70 ffom the top, separating the rocky substance, which is a great guide to the miner. There are several other mines, which would be highly important, if well worked. That of the Espado el Canon, which is composed of antimony and lead, and other metals; that of the Company of Marte, which is well situated, and rich in ore; the mines of Santa Isabel, near Valdeconejos, and Santo Filomena, in the mountains Cogollas, besides various others, only distant about half a league from the large manufactory of Amistad. The ore is nearly at the surface of the earth. This may be chiefly accounted for, in consequence of the numerous vatieties of minerals which seem to amalgamate or intermix, being indebted to their origin for the primitive deposit of antimonial, argentiferous galena, which the different floods have caused to become decomposed, and thence form a sediment. Should the mines of the province of Zamora ever be worked with all the facilities now afforded by machinery, and the improvements introduced, they will be most profitable. RAILWAY REFORM.—In our last week's Journal, we slightly reviewed a

pamphlet under this title, by James Troup, Esq., and published by Mr. P. Richardson, Cornhill: we shall now give a few extracts, to lay before

our readers his arguments to prove the rights of the shareholders, and the

our readers his arguments to prove the rights of the shareholders, and the public, in the railway highways of the kingdom. After showing that the present Government Railway Board is one of the worst constituted in the kingdom, and that shareholders cannot better promote their interests than by supporting the Government in reforming the present system, for the purpose of protecting their property against future fluctuations in value, and thereby securing regular returns, he says—"The good effects of special committees of the House of Commons are generally neutralised by the appointment of persons more or less interested in abuses, and those hitherto appointed for the purpose of reporting on railway legislation have been of that unfortunate description. Even the one recently appointed, on the motion of Mr. Morrison, has three persons who should have been excluded, upon the same principle that defendants are not permitted to sit on juries selected to decide on cases in which they are interested. It would be quite enough to examine Mr. Hudson, Mr. Russell, and Sir John East-hope, and print their evidence, without permitting them to select and examine witnesses, especially as each is connected with interests vigorously prosecuted against those of the shareholders and the public: the circumstance of Sir John Easthope being connected with the management of a line of railway between London and Southampton, charging the shareholders 24,000, per annum for surface repairs, which might be done by the company for one-sixth part of the amount, is sufficient to justify these remarks. Mr. Hudson, who is said to have realised 300,000, by one railway transaction, and Mr. Russell being connected with the management of a line estimated at 2,500,000, and stated to have cost the shareholders 7,000,000, must be considered disqualified, without imputing to them anything disreputable; but the shareholders and the public require purely disinterested judges and advisors, and it would reflect credit on all who are not so, if they retired public, in the railway highways of the kingdom. After showing that the present Government Railway Board is one of the worst constituted in the would not carry an embankment, but was solid enough for the erection of a viaduct; and another engineer pretended it was necessary that he should be a goologist to understand how to form an embankment. The recent assertion, by a railway engineer, 'that the cost of constructing railways had increased 50 per cent. during the past year,' is quite in character with modern engineering evidence—the truth is, that the prices of labour, timber, bricks, and lime, are much the same, and the advance on iron would not make 5 per cent. on the whole. What dependence, then, can be placed on the evidence of professional men, who would make such assertions, when the cost of the ordinary works of a railway should be as well known in their respective localities amongst contractors and surveyors, as the price of corn or meat in the market. Let the works of railways be divided into moderate quantities, and effered to fair and honourable competition, and the result will be 50 per cent, under most of the estimates for the new lines, or the prices allowed to contractors usually employed by engineers. These, however, are the effects of employing steam-engine makers to perform the duties of road and bridge making in short, everything has been done to make railway works appear what they are not—viz., difficult to plan and execute, instead of being of common sense character; and there is not an average length of 50 miles of railway, with two of tunnelling, through agricultural land, which should have cost more than 15,000/, per mile, if fairly contracted for under local surveyors."

SMOKE NUISANCE.—Experiments were made last week on board the James, Birkenheid steamer, to ascertain how far it is practicable to remove the naisance of smoke from the steamers. A very simple apparatus was attached, and the result of the experiment was that the smoke was wholly removed, and the owners report a saving of nearly 20 per cent. In fuel, and move steam than formerly.—Liverpool Standard.

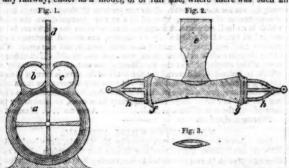
HALLETTE'S SYSTEM OF ATMOSPHERIC RAILWAY PROPULSION.

we had the pleasure of inspe on M. Hallette's atmospheric system, on a scale sufficiently large to show the capabilities of the plan, and of noticing the first experiments which have been made in this country, to ascertain its superiority. This experimental line is laid down in the grounds belonging to the Rosemary Branch Tavern, at Peckham; it is about 400 ft. in length, the atmospheric tube 51 in. in diameter, extending about one-third the distance of the rails, and from the end of this tube, which is on a level, the remaining two-thirds of the line is on a gradient of 1 in 80. In our Journal of the 28th Dec., 1844, we gave a description of an experimental line laid down on the premises of M. Hallette, in France, which was translated from an article in the Journal des Chemins de Fer, and we shall now attempt to describe the principle more in detail. The atmospheric tube is east with a continuous horizontal opening, similar to Clegg and Samuda's, on each side of which is a senicircular projection, forming in section a figure, of which Fig. 1 is a representation; within these two hollows are laid two flexible tubes of vulcanised caoutchouc, surrounded by a hempen fabric, manufactured by machinery expressly for the purpose, and coated with black varnish; this, again, for about half the circumference is covered with stout pliable leather, capable of withstanding the rubbing motion of the coulter, or stem of the piston; these hose are inflated with air up to a considerable degree of compression, and thus form two lips, which, pressing together in every part, become an hermetically scaled, and self-acting valve: so perfectly free from leakage is this continuous valve, that whether the piston is at rest, or in rapid motion, water poured in the trough formed by the lips, does not, in the slightest degree, penetrate, but remains in its position after the carriage has passed. The coulter of the piston, where it divides the lips, is of a slender tapering form, terminating in two edges, of which Fig. 3 is a horizontal person. and from the end of this tube, which is on a level, the remaining two-thirds of a slender tapering form, terminating in two edges, of which Fig. 3 is a horizontal section; this coulter, as also the piston, are hollow, and communicate by a valve, and a small copper tube, with the vacuum to a barometer in the leading carriage, and which thus always shows the amount of pressure in the tube.

The valves necessary for dividing the tube into the required sections, and

pressure in the tube.

The valves necessary for dividing the tube into the required sections, and which in practice would not be closer to each other than four or five miles apart, are self-acting; the levers, which open them, project upwards on each side of the tube, and are acted upon by the front carriage on its passage, and, being on the double-action principle, the same effect is produced whichever way the trains travel, and, having passed a station, that section of the tube may be immediately again exhausted, ready for the next train. The experimental trials yesterday, notwithstanding various disadvantages under which they were made, were completely successful, showing the superiority of the system over that on the Croydon, and Dublin and Kingstown Lines—simplicity itself,—on the vacuum being obtained (which never exceeded 24½ to 25 inches of mercury), and the imprisoned carriage set free, it glided off with the noiseless swiftness of an arrow, the valve closing behind the piston as it passed, and rendering leakage impossible; and so behind the piston as it passed, and rendering leakage impossible; and so trifling must be the friction, that after five or six journeys, as rapidly following each other as the vacuum could be obtained, which did not exceed lowing each other as the vacuum could be obtained, which did not exceed from two to three minutes, the coulter was as cool as when it started at first. The experiment lasted from one o'clock until four; the speed and working of the line evidently improving at every journey, and gave the highest satisfaction to numerousscientific gentlemen present, among whom were several foreigners. It is evident that, independent of local disadvantages, such as leakage of the boilers of the engine, stiffness of the valves, &c., which all new machinery is subject to, and which will be remedied as they proceed, the system of M. Hallette will better show its capabilities the larger the construction of the tube—for instance, with a tube 15 inches in diameter and line 4 inches the flat joining surfaces formed by the com-Ec., which all new machinery is subject to, and which will be remedied as they proceed, the system of M. Hallette value that tube 15 inches in diameter and lips 4 inches, the flat joining surfaces formed by the compression of the air would be from 1½ to 2 inches, while, on the present model, they do not exceed from ½ to 3 inch—the valves too, in this instance, being necessarily confined to a distance apart of only about 30 yds, while in working practice they would be five miles, gives immeasurable advantage to the latter, and, from the confined distance, it is, of course, impossible to obtain that speed, of which the principle is capable; enough, however, has been done to show the vast superiority of the system. There are no mechanical arrangements required for opening and closing the continuous valve—no adhesive plaster and grease to be pressed down by wheels and sealed with hot irons; but, simply like passing the blade of a penhife between the human lips, from which beautiful formation of nature M. Hallette took his idea. The carriages glide along with no more noise that what arises from the triffing vibration of the wheels and rails; and although the present model carriage is without springs, we never rode on any railway, either as a model, or of full size, where there was such an



absence of all oscillation or shaking. In the above diagrams, Fig. 1 is a section of the tube and piston; a, the vacuum tube with the piston; b, c, the flexible and elastic hose forming the lips; d, the coulter of the piston, the upper part of which is attached to the leading carriage of the train. Fig. 2 is the piston, which is double headed to work both ways, and which in full size, for working purposes, will not be above 2 feet in length; e, is the coulter; f, g, the leather packing; and h, steel springs of light pressure, which guide it in its course, Fig. 3 is a section of the coulter where it passes through the lips. M. Seguier has tested the merits of the system on M. Hallette's large model in France, and has furnished a report thereon to the Academy of Sciences, Paris, of which the following is a translation:—The increasing interest, which is displayed in the improvement of the various systems of rapid Sciences, Paris, of which the following is a translation:—The increasing interest, which is displayed in the improvement of the various systems of rapid locomotion, gives us reason to hope that the Academy will listen, with its usual kindness, to a true description of one of these systems. The experiments he, and several of his friends, attended at Arras, in the establishment of M. Hallette, allow them to communicate to the Academy the repeated trials that were made in their presence, on the new method of atmospheric propulsion. Confident in his invention, M. Hallette has established in his vast factory a model of an atmospheric railway; and it is by experiments pulsion. Confident in his invention, M. Hallette has established in his vast factory a model of an atmospheric rallway; and it is by experiments on a large scale, that he has been enabled to give to the public the advantages of his invention. The specimen that we visited, consists of an iron line of 122 metres (366 feet) in length, divided as to level into several parts—the first, of 111 feet in length, is horizontal; the second, of 90 feet, has a gradient of 0 005 per yard; the third, 75 feet in length, rises 0 016; and the last one, of 90 feet in length, ascends 0 026 per metre, or yard. The tube of propulsion is placed at the commencement of the line, and is 78 feet in length, diameter 0 38. At 18 feet distance, from the extremity of the propulsion tube, or 60 feet from the head, branches out the exhausting-tube—this pipe, of the same diameter as the first, is connected with an airrpump, placed at 75 feet distance, in which the air can be rarified on an average from 25 to 27 inches of mercury. This pump is worked by a steam-engine, connected with it. The carriage, which was tried in this experiment, weighed when empty 10,820 lbs., and was fastened to a piston by a perpendicular stem, which slides in a longitudinal opening, made through the whole length of the tube of propulsion, between two inflated India-rubber (caoutchoue) borders. This new method of closing the valve is the chief character of the invention. The propulsion is as follows—the carriage is placed at the entrance of the opening, and the piston is fixed in the orifice of the tube of propulsion; a cover is fixed for the purpose of closing the other end of the tube, fastened by bolts. The air pump is then put in action, and the vacuum is made progressively; a barometer is placed on the carriage, or waggon, which indicates the state of the interior air; and when the necessary vacuum is obtained, the signal of departure is given, and the necessary vacuum is obtained, the signal of departure is given, and the pressure of the atmosphere on the piston

out its length. The impulse given to the earriage is checked and regulated by means of a curb, or chais; when the carriage has arrived at the latter end of the line, and the tube is filled with air, it recedes by its own gravitation, the gradients are so arranged, that the carriage acquires sufficient momentum to arrive again at the place of departare—and the piston thus becomes re-placed at the orifice of the tube; the cap, or cover, is opened, and, by means of the air-pump, the whole is again shortly put in operation. The invention of M. Hallette can be subdivided into three principle parts—viz., the propelling tube, the piston, and the hose, which form the closing lips or valve. The tube of propulsion is of cast-iron, the section of which nearly represents a croscent—this tube has an opening throughout its whole length, and a circular fluting is fixed on each side of the longitudinal opening. Notwithstanding the attention which has been devoted to the improving of cast tubes, they are found to be so porous as to admit the air; M. Hallette intends henceforth to cover the pipes with a substance, capable of rendering them air-tight, similar to the method of M. Junkor's tube, used for raising water at the mine of Huetgoath. The tubes are socketed, and placed one to another in the usual way—the joint being covered over by an elastic substance, which not only prevents the air entering, but also prevents the partial dilutations of each tube. The compressed nature of this material is so composed, that it allows each of the tubes to extend, without causing the slightest movement or alteration to the adjoining one. The elasticity of this is such that, at the moment of contraction of the tube, it remains perfectly closed. The interior of the tubes is left in its natural state,—but the tallow, or grease, with which they are saturated, so as to prevent friction, allows the piston to steady itself if the coat of tallow is slight, and forms a regular coating. The India-rubber tubes, forming the lips, are peculiarly the inv

GODSON'S PATENT SMOKE CONSUMING FURNACE. - At the Society of Arts, on Wednesday evening last, a paper was read by the secretary on a Arts, on Wednesday evening last, a paper was road by the secretary on a new furnace grate, patented by Mr. Godson, which is stated not only to effect a considerable saving in fuel, but to prevent the emission of smoke. The centre of the fire bars, for about one-third the width, forms a hopper with a moveable bottom, descending to the floor of the ash pit; this hopper is filled with coal, and as the fuel on the surface is consumed, the bottom is raised by machinery, worked by a lever—thus raising the whole body of coal, distributing the upper portion (which from its approximation to the incandescent fuel had become partially coked), over the surface of the fire; when the hopper is emptied, two iron plates are slid across the opening from the sides, the moveable bottom is lowered, the hopper filled, the plates drawn back, and the process proceeds as before. A long conversation ensued on the advantages of this and other smoke consuming apparatus, particularly on those plans for feeding from the bottom, of which there have been several within the last 30 years, not only for furnaces, but for common domestic fires. Several gentlemen spoke highly of Jukes's furnace, which we have so frequently noticed, as being most economical, and burning screenings of coal, which can be obtained for 5s. or 6s. per ton less than that usually employed with the best results, and entirely without smoke. This furnace is not fed from the bottom, but the bars revolve, very slowly—thereby enabling the fire to be fed in front, giving out its smoke over the red-bot fuel, and, as it becomes incandescent, being gradually carried to the back; this process keeps the bars entirely free from clinker. With respect to the merits of Godson's furnace, we have no doubt it prevents the emission of smoke, as we have seen the principle carried out before; and cannot help thinking that this is a palpable infringement of Coupland's furnace—a description of which we gave in the Mining Journal of July 19, 1845—the only difference apparent to useing, that in C new furnace grate, patented by Mr. Godson, which is stated not only to efthe carried on before; and cannot need thinking that this is a parametria infringement of Coupland's furnace—a description of which we gave in the *Mining Journal* of July 19, 1845—the only difference apparent to us being, that in Coupland's the coals are filled in on every occasion of fresh being, that in Coupland's the coals are filled in on every occasion of fresh firing—while in Godson's, a large quantity is supplied, and raised gradually; and, as the former leaves a clear current of air over the whole surface of the bars, which, in the latter, is one-third choked up by a large body of coal, it appears to us anything but an improvement; the sliding plates too, in the room of Coupland's side bars, is far from an improved substitute. It appears strange to us that, among a number of gentlemen, who appeared practically acquainted with the various improvements of steam-engine and other furnaces—among whom were Mr. Newton, Mr. Bodmer, Mr. Scott Russell, and others—not one noticed the similarity of this to Coupland's plau, although it was acknowledged by the patentee, and subscribed to by all present, that the principle was anything but new.

CONSTANT SUPPLY OF WATER IN TOWNS .- We noticed, in the Journal of the 18th ult., a pamphlet by Thomas Wicksteed, Esq. (published by John Weale, High Holborn), on the evidence given before the Health of Towns' Commission, on the subject of establishing a system of constant supply of water to the premises of every inhabitant, and now give his principal reasons in opposition to the system recommended in that evidence. To come clearly to the point at issue, he states the advantages of the present mode of supplying water to be—its practical convenience tested by long experience—the provision of an equal distribution of water throughout all districts, however extensive, or however great the inequalities of surface—and the power of concentrating the whole force of water at one spot, in case of fire. The disadvantages of the proposed system he enumerates as follows:—Its adoption would be attended with enormous additional expenditure, and, with so many practical difficulties, as to render it almost impracticable, except in the case of small level towns, and that the evidence in support of it is insufficient and contradictory; and that the advantages claimed for it do not exclusively belong to it, but can be more surely and more economically realised by the present plan. To bear out these assumptions, he examines strictly into the evidence, and more particularly into that of Mr. Hawksley, of Nottingham, who was for some time engineer of the Trent Water-Works; and having shown that the cost would be enormously increased, the benefits to the poor nothing like to the extent calculated on—that the mains must be enormously increased—engines of much greater power employed—and, in fact, the obstaclesso great, that it would be found totally impracticable—he comes to the following conclusions:—That in towns having any considerable irregularity of elevation, the result would be, that so long as the inhabitants in the lower districts are drawing off water, those in the upper parts would be able to get little or none; in large towns, without any great variation of levels, the houses near the so of the 18th ult., a pamphlet by Thomas Wicksteed, Esq. (published by John Weale, High Holborn), on the evidence given before the Health of Towns every house which it has to supply; that it is well known to the tenants of water companies, as well as to engineers, that in the summertime, when two or three taps in the lower part of a street are kept running, the houses in the upper part, instead of obtaining a butt full in an hour, as they would at other times, collect it with difficulty in 10 hours, and that, looking at the question dispassionately in all its bearings, which his long experience enables him to do, he is satisfied that the plan designated "constant supply" is spientifically untenable, and practically ineffective.

THE OLLIERIES OF VALENCIENNES. There is now no doubt existing as to the correctness of the report, that the great banker of the Northern Railway of France (Baron Rothschild) has purchased up several of the extensive collieries near Valeuciennes, as well as iron furnaces, forges, &c., in that district, and in Belgium, so that the directors will not only convey passengers and goods, but will have the advantage over the majority of other companies, by being embled not only to provide themselves with a plentiful supply of coal and iron, and that at a very trifling exponse, but also build their own machinery, for which purpose they are already establishing extensive workshops; they will, likewise, have the advantage of furnishing the public in general with coal, coke, and iron, at a far lower rate than any of the small coal or ironmusters possibly can, having the means of conveyance entirely in their own hands, thereby defying all competition. This monopolising system of monied men in blance is creating a regular-harrorum to the holders of smaller and industrious nines and collieries, as it will doubtless lead to their ruin. as to the correctness of the report, that the great banker of the Northern

Original Correspondence.

THE COPPER REGION OF LAKE SUPERIOR, U. S. Sin,-I have the pleasure to hand you an article upon the subject of the

mineral region of Lake Superior, written by Mr. A. A. Hayes, of Boston, U. S., expressly for your paper. This document was accompanied by a box of specimens of the copper and silver ore, or rock—and which samples, with explanatory pamphlets, and map of the district, I shall be glad to show any person, whose curiosity or business may lead him to take an interest in the progress of this wonderful discovery.

Liverpool, April 18.

ROBERT K. CARTER.

THE COPPER REGION OF LAKE SUPERIOR

In the surveys for township divisions of the State of Michigan, under the supervision of the late Dr. Houghton, it was ascertained that an extensive metalliferous deposit existed along the southern border, and on one or more islands of Lake Superior. A more particular reconsistence, by Dr. Houghton, and several other eminent scientific naturalists, has fully established the important fact, that copper native, and in the state of ore, exists over an extent of surface corresponding with that of the lead mines of the western states, constituting an immense copper region, companies and individuals having secured grants of land from the United States' Government, and counteneed working various deposits of metal and ora, a short account of their present prospects may be of interest to the English public. The first most striking feature which arrests the attention of scientific persons, as well as explorers; is the forms in which the copper is found. Over extensive areas, and forming a continuous range, trap-rocks exist, which are in contact with sandstone, and are frequently traversed by veins of associated minerals. Not confined to these veins, but distributed throughout, and forming a constituent part of the trap-rock, is notice copper, without a trace of any ore of copper. The particles thus mixed with the rock, vary in size, from that of a pea to very minute, and are more or less abundant throughout an extensive formation. Masses, from 50 ft. below the surface, and from points separated by miles of distance, when assayed, give us an average for the rock from 6 to 7 per cent. of copper, and which, excepting a superficial coating of oxide, is perfectly metallic and malleable. With the particles of copper, and perhaps more irregularly distributed, are particles of siver, in a perfectly pure state. The silver particle are often in contact, and are welded to the particles of copper, which have been found, almost filling the cavity, and extending as a vein would siver, in a continuous result of the service of the servi In the surveys for township divisions of the State of Michigan, under the supervision of the late Dr. Houghton, it was ascertained that an extensive

MINING IN AMERICA-RICHEST MINERAL DISTRICT IN THE WORLD

Sir,—Not knowing the reception my communication might receive, I am not prepared with a second; but must confine myself at present to general remarks on the subject. Your correspondent, "J. W.," still continues his squibs at American mines, and ridicules the statements of a Mr. Rubio, who gives the area of the lead district, near St. Louis, Mo., at 2,000,000 of acres, and with the adjoining territories (not states) of Iowa and Wisconsin, forming the richest lead region in the world: this statement he considers a genuine Yankee bounce, and promises you statistics to prove his position. The inclosed public document * will help him in his statistics, and enable him to compare the lead district of the United States, which he considers as existing only in the imagination of us Yankees, with those of Europe. It is odd that one, who perhaps was never out of the sound of Bow bells, should obtrude his crude notions upon the world as information. The product of lead in England and Spain, in 1844, he gives as 21,000 tons; he will have to show a tolerable increase to make them together reach, in 1845, the product of the American mines, which is given, "from statistics fully to be relied on," at 72,000,000 lbs., or 32,000 tons. Nor is this to be wondered at, in a country where lead is abundant, and where 20 lbs. will buy a bushel of wheat; men will dig lead, if they can do so, without paying any rent, or even asking of any one the privilege.

In the matter of the copper and silver at Lake Superior, there is a strong probability—to say the least—that a very extensive district, rich in mines of copper certainly, and perhaps silver, is there discovered. As evidence of this fact, the Government have given leases, covering an area of 211 square miles—a tolerable mining field—and granted permits to locate 588 square miles in addition, which are not yet selected, but most of which will be as soon as the spring opens, and the country is accessible. That all this strengt of Sconward and the country is accessible. That all this strengt of Sconward and strengt of the strength of the s his squibs at American mines, and ridicules the statements of a Mr. Rubio,

square miles—a tolerable mining field—and granted permits to locate 588 square miles in addition, which are not yet selected, but most of which will be as soon as the spring opens, and the country is accessible. That all this area of 800 square miles is mining ground is not imagined; but that there are extensive and valuable mining fields, cannot be reasonably doubted. I have a letter from an intelligent and respectable Cornishman, written in December last, who has been some months on the ground, who says—"I have visited many mining districts, been extensively acquainted with the whole process of mining, and have had considerable practice in mine surveying and reporting, but have never seen a mineral district superior to this. The number of metalliferous veins, their beautiful appearance, their contiguity to each other, the richness of theores, the fine alloy of silver inmany of them, all indicate immense wealth. The veins are well defined and regular; and there is scarcely a spot embraced by the locations but would warrant the outlay of almost any amount of capital, and pronsise adequate returns. The overs are rich; so rich that, in their raw state, they are equal, and in many instances superior, to the ores (when dressed) of the far-famed mines of Cornwall; they are easily pulverised, and may be made to yield a large per centage of fine copper."

"J. W." has now the declarations of a Cornishman, of the value of which your readers can judge. There have been in the district some 500 miners since last autumn; and, if 1000 were in New York in May next, they would all find employment, especially young enterprising men, competent to act as mining capitains, or to direct ordinary labourers.

Americas Institute, New York, March, 1846.

"The section document, above referred to, is a Report of the Committee of Compress

The smetal document, above referred to, is a Report of the Committee of Congress on Public Lands, and contains an much statistical information on the mining of Ameritatic purpose giving it entire, if possible, in our next Journal.

Sir,—In one of your highly useful and interesting publications in May, 1845, it was stated that the Lugar Iron Company had made a discovery of a large seam of plumbago, 8 feet in thickness, on the property of Sir J. Boswell, at Auchinleck, in Scotland. Can you, or any of your correspondents, inform me if such seam has been at all worked, if any of the produce has been brought into the market, its quality, &c.? As the principal portion of the plumbago, of anything like good quality, now to be obtained, is the stocks, remaining on hand from former produce of the Borrowdale Mine, which it is considered is nearly worked out, such a discovery as the one alluded to would be of immense importance to many mercantile parties, as well as to mineralogy, chemistry, and the public generally, and not the least so to—A Pencil-Maker: Southwark, April 28. DISCOVERY OF PLUMBAGO IN SCOTLAND.

NATIVE STRONTIAN.
Sir,—Can you inform me in what part of England the native strontian is raised,—and if it could be supplied in any considerable quantity, and from what source?—J. S.: Liverpool, April 21.

ACCIDENTS IN MINES-ACTION FOR DAMAGES.

ACCIDENTS IN MINES—ACTION FOR DAMAGES.

SIR,—My attention has been drawn to this subject from observing, in a late Number of your paper, an account of an action being brought by the wife of a miner, named M'Aullay, who lost his life by the sudden slipping of the crane, while lowering him in the shaft, by which he and another were killed, against Messrs, W. F. Buist and Co., the owners of the pit, and the jury, it appears, awarded her 400l. damages for herself and children. The case, in itself, is singular; as, from the relative situations of the generally poor miner, and wealthy coolowner, few widows are there, in deed, who would have the courage to commence an action against the latter, although the most glaring neglect in the efficiency of the machinery could be proved—indeed, in the present state of the laws in England, it would be impossible for a poor man or woman, unless backed by some wealthy supporter, to carry on an action for the recovery of damages for the loss of a husband, or a son. In Scotland, however, it appears the case is different; the law is there, apparently, open to the appeal of the widow and fatherless,—and a Scottish jury, by their verdict, show that they set some value on a human life—even on that of a poor coal miner.

When we consider the number of accidents which have taken place in our coal mines, in the north of England, in the last 10 years, and call to mind the records of faulty ropes, badly timbered shafts and galleries, unrepaired and make shift machinery, deficient ventilation, and various other causes of the largest proportion of these deaths, which, by a comparatively small amount of well-timed expenditure, might have been prevented—it is difficult to form an idea of what the result would have been had similar proceedings been adopted. The example which has thus been set by this Scotch miner's widow, and its result, I should, Mr. Editor, be most happy to see followed up on proper occasions in this country—as I am convinced that the only way to make the majority of the coalo

THE GRANITE WORKS OF CORNWALL

THE GRANITE WORKS OF CORNWALL.

Sir,—The granite cairns, rocks, and quarries of Cornwall, see of vast superficial extent, and of great depth and height; hill and valley, mountain and moor, meadow and dell, upland and lowland, being more or less composed of, or studded with, those altars of the Druids, and the abiding bases on which they stand or slide. The cairns, like the peaked mountain of the ocean, juts into the sky—the rocks are piled in wild confusion, or like deserted dwellings gem the moor, the croft, or the village green. So durable is the material, that the "mercless peltings of the pitiless storms" of hundreds—aye, thousands—of years, are insufficient to doom it to decay. Its utility for marine, and other important works and costly buildings, has long been appreciated, and, in proportion as our roads and harbours have improved, the demand has increased, so as to cause an important traffic to be carried on in the article—large quantities being regularly shipped from Penryn and other Cornish ports.

Lamorna Cove is situated partly in the parish of Paul, and partly in the parish of Buryan, in Cornwall, being divided by a river, or rather a continuous waterfall, of great and rapid descents. That river may hereafter be applied to machinery at the Cove, which is a long and deep indentation, caused by the flow of water, and the subsidence of the adjacent sides, parts of whose bases are of granite, large detached masses of which project into the atmosphere. Having visited the Cove this day, as last year, with a pienic party, I was pleased to find a railway stage creeting to and over the sea for several fathoms, for the purpose of shipping large hewn oblong masses of cut stone, lowered in a cart or carriage down the road, which is an inclined plane. I could not learn whether the works are being carried on by an individual or by a company, but several workmen have made a good beginning. Demand will create supply, and vice versā. The olden churches of the neighbourhood, and the harbours of the United Kingdom, a

Penzance, April 13.

MR. DEAKIN'S WHEEL AND RAIL.

Sir,—According to the sketch given by Mr. Deakin, the wheel differs little in construction from those now in use; but the surface of his rail, sloping inwards, is well calculated to keep each wheel from any tendency to run off the rail externally, but, at the same time, it creates a tendency in each wheel to slip or slide off the rail internally. These opposite tendencies are, in some measure, counteracted by the axles, which connect each pair of wheels; but a slight extra width, or irregularity in the gauge, might easily cause the wheels thus to slip off the rail. The rail itself appears of a more substantial form than those in use, and calculated to resist lateral pressure upon its inner surface, which appears not to have been the case with either the rails or chairs upon the Brandling Junction, which, evidently, gave way from want of any proper provision having been yet made to resist effectually the lateral pressure which is exerted against the interior surfaces of the outside rails in a curved line of road by the ill-fitted flanges of the wheels clashing and grinding against them. The little pality cast iron chairs, in which the rails are inserted, may be broken by the blows of a small hammer; it is not, therefore, surprising, that the successive blows of many heavy iron wheels should both break the chairs and bend the rails thus set at liberty.—R. Musher: Coleford, April 27. Penzance, April 13.

MR. DEAKIN'S RAILWAY WHEEL

Sir.—Though rather a theoretical than a practical correspondent, I venture an opinion on the suggestion of Mr. Thomas Deakin, as published in the Mining Journal of the 18th April. If that gentleman will reflect that

the periphery of his proposed railway wheel, as shown by the above diagram, is a section of a cone, he will see that it is not adapted to locomotive traction. The lengths of the outer and inner circumferences, running or the rail, being mequal, there would be a re-tardation caused by the abrasion of the slid-ing smaller circle, the larger one progress-

ing smaller circle, the larger one progressing more rapidly over a greater space by contact alone, the friction of the adhesion reacting on the axletree. The base of a cone, revolving on any plane, would describe a circle; and the flange, by successive or alternate resiliances, counteracting that tendency, would have a greater friction, notwithstanding the elevation of the outside of the rail. The sliding friction of the outer or smaller circumference of the wheel, would abrade or wear the outer portion, and "roll" down the inner portion of the rail and the wheel also. What is true of a whole cone, is true of a part in this instance. The inference, therefore, is, that a conic section is not adapted to right lined, or ordinary curved, progression. The case is not altered by the fact of there being two wheels and rails. In addition to the ordinary flange not being a mechanical certainty, it is anything but a mathematical arrangement; the motion of the abrading parts being unequal, and therefore causing a friction, which is a loss of progressive or retrogressive power. Besides, in Mr. Deakin's arrangement the inclination and breadth of rail are not sufficient to prevent running over. I some time since suggested a central rail, with small side-guide wheels. It does not appear, however,

that this has been tried. Apologising to Messrs. Mushet and Greenhow, the gentlemen appealed to, and acknowledging some former hints on relative circumferences, I remain, &c., A. T. J. MAETIN: Penzance, April 21.

RAILWAY MANAGEMENT-LEGISLATIVE INTERFERENCE.

RAILWAY MANAGEMENT—LEGISLATIVE INTERFERENCE.

SIR,—I am led to think, when railway enterprise has arrived at its present confused state, it becomes the Legislature to interfere with its progress—for it is impossible to conceive a more gross error, than to think that Parliament ought to sanction any newly-projected line, or the extension of any line, without making a strict inquiry into the real merits of the undertaking, when it is clear to every one, of ordinary conception, that railways will ultimately become the principal highways of this and every civilised nation—and that the present arrangement of railways is far from being satisfactory. Therefore, it is of great importance that due consideration be paid to the utility, and natural advantages, of all future lines—also, to their management and construction—whereby a large and increasing population may have every possible advantage; for there are numerous ways in the management of railway matters, whereby the public lose their share of the benefits accruing from a great national improvement. It is generally agreed, that the best arrangement for railways would—a proper number of trunk lines, diverging from the metropolis to the principal country towns,—and, if possible, from one general terminus. The trunk lines ought to be made as direct as the nature of the country, and the accommodation they are intended to afford, would permit: great at

trunk lines ought to be made as direct as the nature of the country, and the accommodation they are intended to afford, would permit: great attention ought also to be paid to economy—because the cost of a railway must regulate the toils charged by the company for the conveyance of passengers and goods upon it. If the projectors of future schemes would adhere strictly to direct communication, and construct lines on the most approved principles (making first the main trunk lines, afterwards the branches), we should ultimately have good railway communication; but there are few companies who act without prejudice and selfish motives—
therefore, unless the Government appoint a competent staff of engineers to
lay down some proper plans, otherwise to inquire into the merits of the
projects of others, it is impossible the public can ever have the full advantage
of a quick and cheap mode of transit. Some allowance ought to be made
for those errors that were made when railways were first brought into use
—because the proprietors had not the opportunity of profiting by example,
and indicate form feets, but I can see no good reseap for excuse out the

—because the proprietors had not the opportunity of profiting by example, and judging from facts; but I can see no good reason for excuse on the part of those companies who recently have wilfully expended double and treble the amount of capital they ought to have done.

The number of laboured articles, that have recently appeared in some of the daily papers, to describe the peculiar merits of extending some of the worst managed railway monopolies in existence, have, it is to be hoped, made a different impression on the minds of shareholders and the public, than they were intended to do; and I am glad to see some of them contradicted in a manner which does credit to the gentlemen who have devoted their time and their talents in explaining some of the proceedings of such companies as deserve exposure. A small pamphlet, just published, by James Troup, Esq., entitled Railway Reform, is worth the attention of all who wish to have a knowledge of the proceedings of railway companies.—A CIVIL ENGINEER: London, April 28.

of all who wish to have a knowledge of the proceedings of railway companies.—A CIVIL ESGINEER: London, April 28.

NEW METHOD OF OBTAINING AND USING MOTIVE POWER.

SIR.—I beg the favour of being allowed, through the Mining Journal, to submit, for the public consideration, a plan for obtaining and using motive power, which, I think, is calculated to effect very beneficial changes for all ranks and classes of the community. There has, of late, appeared in your Journal, some propositions for using compressed air, and various correspondents have expressed their opinions on the subject—most of them appearing to be strongly prejudiced against the use of that principle, and none of them (as it seems to me) having previously qualified themselves to discuss the question, which the serious mistakes committed by nearly all who have ventured any remarks strongly testify; and as this is the principle which I shall endeavour to prove is very far superior to all others yet known as a motive power, it is necessary, in the first place, before entering on an explanation of my plan, to discuss the subject of compressed air. I shall, therefore, on the present occasion, confine myself to a consideration of that part of the question; and, should I have the misfortune to committ any errors, I hope that some of your correspondents will have the kindness to point them ont. In the first place, I shall assume that the opinion generally entertained in regard to compressed air is correct—viz., that its expansive force is increased in the same proportion as the space which it naturally occupies is diminished; and that, at the earth's surface, it has a pressure of 15 lbs. to the square inch. It has been proposed to compress it to 60 or 65 atmospheres; and, although I have no intention of proposing to compress it show four atmospheres, yet it may not be amiss to discover (if we can) the power requisite to compress it into half its present balk, and thence into a receiver, charged with air at the same degree of density. Of course, we must p railing 32, which, added to 6 lba, makes 13\frac{1}{2} lbs. After-deducting 15 lbs. we have a weight varying from 0 lbs. to 30 lbs., which, by the method previously explained, is found equal to 12 lbs. falling 16 tt.; it is something less, but, for practical purposes, 12 lbs. is quite near enough: we have, therefore, to add to the 13\frac{1}{2} lbs. 6 lbs. more, which makes 19\frac{1}{2} falling 32 ft. We have next to press the air the remaining 16 ft., into a receiver charged with air at four atmospheres: this part of the operation will require a uniform weight of 45 lbs.—so that we have to add 22\frac{1}{2} lbs. to 19\frac{1}{2} lbs., which make together 42 lbs. fallien 32 ft.

with air at four atmospheres: this part of the operation will require a uniform weight of 45 lbs.—so that we have to add 22½ lbs. to 19½ lbs., which make together 42 lbs. falling 32 ft.

I think it is now pretty clear, that to produce 16 measures at four atmospheres, it will require just double the power requisite to produce 32 measures at two atmospheres—or, in other words, 1 ft. 1 in. square at four atmospheres, require 84 lbs. falling 1 ft. to produce it, while 1 ft. 1 in. square at two atmospheres requires only 21 lbs. falling 1 ft. to produce it; so that the mechanical effect which 1 ft. at four atmospheres is capable of producing, is equal to that which can be produced by 4 ft. at two atmospheres. Now, what has been said in respect to the power requisite to reduce 32 at two to 16 at four atmospheres, holds good with regard to the power requisite to reduce 16 at four to 8 at eight atmospheres, and from 8 at eight to 4 at 16 atmospheres, fton 4 at 16 to 2 at 32 atmos, and from 2 at 32 to 1 at 64 atmospheres, the compression is doubled six times—so that, if arrangements were made, whereby all the mechanical effect that 1 ft. of compressed air at 64 atmospheres is capable of producing, it would be six times as much as that which could be produced by 32 ft. at two atmospheres, equal to 192 ft. at the latter degree of density. According to the above rule, the power to produce 1 ft. 1 in. square at 64 atmospheres is 21 lbs.

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falling six times 32 fb., or 4002 lbs. falling 1 ft.; if this be multiplied by 144, it. will give the power requisite to produce a cube foot, which is 28 20,000 lbs. film 12 fb. 8th chove rule, it will be seen that it. at 64, 28 ft. at 52, 6 ft. at 16, 16 ft. at eight, 48 ft. at four, 193 at two atmospheres are each venectively expande of producing an organic amount of mechanical series of the control of the

right, as it should be—and which the provisions of this bill, should it pass will entirely eradicate. A Lover of Justice, will entirely eradicate.

Lincoln's Inn-Fields, April 25.

KINGSTOWN AND DALKEY ATMOSPHERIC RAILWAY.

KINGSTOWN AND DALKEY ATMOSPHERIC BAILWAY.
TO THE EDITION OF THE TIMES.

SIR.—I observe a paragraph in your paper of to-day, extracted from Herapath's Railway Magazine, asserting that "the cost of locomotive power, on the Dublin and Kingstown Railway, per mile, is \$4d., whilst on the Kingstown and Dalkey Railway the cost of atmospheric traction, per mile, is \$2d., or nearly three times as much." The assertion is utterly untrue, as will be seen by the following extracts from the report published by the directors, and laid before their proprietary at the general meeting, held on the 28th of March last:—On refurence to that report you will find it thus stated:—"The Dalkey line has fully borne out the anticipations of the board, as to the regularity and efficiency of the atmospheric system of traction, as will be manifest from the fact that there were, 21,708 trains dispatched during the year, and but 13 trains lost." And also that the "total cost of [atmospheric] power, and the maintenance of way, was 107 pende her train per mile." Further on it gives the cost of trains run upon the locomotive line between Dublin and Kingstown, viz.—

Cost of locomotive power.

S88 17 1

Cost of railway maintenance.

S88 17 1

Cost of railway maintenance. Tr William

of 10 to 13. I inclose a copy of the report in question, to which I would refer you, and also to the Raikeay Record of this day, containing some very proper comments upon the unfair manner in which his contemporary has distorted it. I rest the claims to superiority for the atmospheric system on other grounds of equal importance with that of economy, inamuch as it affords to the public the greater convenience of more frequent trains at a less cost, combined with a higher speed and more safety. I have always treated with contempt the repeated and unscrupatous assertions put forward by the journalist referred to, but when your widely-circulated columns are made the medium of conveying his mis-statements to the world, I am naturally desirous to unmask, through the same channel, the dishonesty of the course he has adopted, for the purpose of injuring the system in public estimation, and I will therefore thank you to insert this letter in your paper of Monday next as an advertisement, if it be not otherwise admissible.—Joseph D'A. Saauda: 10, London-street, City, April 25.

the same channer, the customers of injuring the system in public estimation, and I will therefore thank you to insert this letter in your paper of Monday uext as an advertisement, if it be not otherwise admissible.—Joseph J-S. Samua. Ip, London-street, City, April 25.

LIFE ASSURANCE.

LIFE ASSURANCE.

Sur,—The just comments contained in the Times of the 10th of March, on the serious consequences of insurance companies converting their policies, when they become claims, into instruments of litigation, excited general attention at the time, and I for one hoped that its remarks would have had their due influence on the conduct of all such institutions.

Every office is unquestionably bound to employ all fair means to guard against fraud; but as fraud in such cases can always be more easily imputed than disproved, in consequence of the removal of the party charged with its perpetration, such charges ought never to be made, except upon the most valid grounds, otherwise the system of life assurance will become altogether worthless.

The case of "Geach e. Ingall," tried at the last Warwick assizes, is one, in connection with this matter, which ought, I think, to be brought before the public more prominently than it hitherto has been. The following is, I believe, a correct outline of its merits:—

A person, named Soot, insured his life in the Imperial office, agarly four years before he died. He happened to die of consumption, and the directors having heard that he had on one occasion (four years before his merred his life, and, therefore, between seven and eight years before his meared his life, and, therefore, between seven and eight years before his merred his life, and, therefore, between seven and eight years before his merred his life, and, therefore, between seven and eight years before his merred his life, and, therefore, between seven and eight years before his merred his life, and, therefore, between seven and eight years before his merred his life, and, therefore, between seven and eight years before his me

ON THE CHEMISTRY OF THE STEAM-ENGINE.

Birmingham, April 28.

WILLAM SCIOLEFIELD.

WILLAM SCIOLEFIELD.

BY T. CRADDOCK, 1820, HIMMNGIAM.

LETTER V.—On the scenemy which experience proves is thereby attainable—On their application to steam-respile, 10 locomotives, and to stationary-engines, with some farther remarks on the extended range of utility, which the foregoing facts will make appared.

With the evaporation of 120 cubis first of water in the present locknotive, we have scenaria, and also the reform of the cubic state of the control of the cubic state of the control of the control of the control of the cubic state of the control of the control of the control of the cubic state of the control of the control of the control of the cubic state of the control of the control of the control of the cubic state of the control of th

hings not laden with some extensive good to mankind seem never to have called forth as determined an opposition to their introduction as those which have embodied sound and expansive principles. I do not think the explanation of this matter very difficult, but it would lead use into a strain of thought not suited for the occasion. I shall, therefore, pass it by. Another class of detructors would have, that inventors are only serving thempelses. Without going into any critical examination as to the moving spring of men's actions, I will suppose the case of an old woman begging in the street; one man meets he importunity by insolent and unfeeling expressions, another relieves her necessities. This matter may give rise to a very learned disquisition as to which, or either of them, acted from a disinterested motive; in which case, perhaps, it would be said that the one man gratified his malevolent propensity, the other his benevolent desire; but, on an appeal to the woman, alse would soon settle the question, by alleging that the first increased her pain, whereas the latter relieved her necessities. This is a distinction beyond all subtleties. I, therefore, propose that things should be judged of according to the good thereform arising, whether all end in their author's personal gratification, or in the vide spread good they, confer on others. In this particular case, what I can ever hope to receive must be, by way of comparison, infinitely less than what must accure to others.

From what one can gather from reading, observation, and experience, there would seem to be a strong desire at the present day to patronise and divert the efforts of men to almost any other source in search of cheaper motiver power rather than deliberately reflect, whether of the steam-engine half texhausted its latent resources. Indeed, the assertion is often put forth, that it is useless for men to hope to improve it; and, therefore, they are called upon to turn their attention to seek something superior to it in another direction. Amongst

LITERARY NOTICES.

South Australia and its Mines, with an Historical Shotels of the Colony, under its several Administrations, to the period of Cupt. Grey's Departure. By Fannes Deveron London: Tana W. Moon, New Bond-street.

Deveron London: Tana W. Moon, New Bond-street.

In the being the production of a gentlemen long resident in the colony, and who, from his intimate occasion of a gentlemen long resident in the colony, and who, from his intimate occasionates with his work in least the colony, and who, from his intimate occasionates with his work in least the colony, and who, from his individual work of which has bong been did. Mr. Dutton (who is one of the owners of the great skapmeds out that downtage his doctors and of white a plant skapmed with the advantage his all sacking a know lead of the thritise colony, and, from a new colonial production, as from the vante importance of all matter, commercial with mining in South American John Colonial and the colonial production, as from the vante importance of all matter, commercial with mining in South American John Colonial and the colonial production of the colonial production, and from the task—we shall be compelled to draw to some considerable extent of his bags, to enhalted the occasion of the colonial production of

Proceedings of Public Companies.

MRETINOS DURING THE ENSUING WEEK.

Tats Day... Manchester and Birmingham Continuation and Weish Junction Railway London Tavern, at One.

Monday... Mines Royal and Mineral and Bastery Works Co.—office, Dowgate.
Southwark-bridge Company—Leaden Tavern, at One.

TUZBDAY... West Middlesex Water-Works Company—office, at One.
Highgate Archway Company—office, at Two.
London and County Railway and General Investment Co.—office, at One.
Northern and Southern Connecting Railway—office, at One.
Anglo-Mexican Mint—offices, at One.
Wednesday... Ulster Canal Company—office, at One.
Anglo-Mexican Mint—offices, at One.
Wednesday... Ulster Canal Company—office, at One.
Jamakes South Middlesd Junction Railway—fice, at past Twelve for One.
London and Birmingham Railway—Euston Station, at Twelve.
London and South Essex Railway—London Tavern, at Three.
London and South Essex Railway—London Tavern, at Treelve.
Liynvi Valley & South Wales Junction—London Taver, at Twelve.
Marchastor, Buston, Matlock, and Midlands Junction—office, at One.
Mathastor, Buston, Matlock, and Midlands Junction—office, at One.
Rosding, Guidiford, and Reigate Railway—London Tavern, at Twelve.
Saturday... London, Hounslow, and Western Railway—King's Arms Tavern, New Palace-yard, Westminster, at Twelve.
London, Hounslow, and Western Railway—King's Arms Tavern, New Palace-yard, Westminster, at Twelve.
Least Lincolnshire Railway—Crown and Anchor Tavern, Strand, at One.
Leeds and Carliele and Yorkshire and Glasgow Union—offices, at Twelve.
Marchaster and Southampton Railway—Grows, at Twelve.
Marchaster and Southampton Railway—Grows, at Twelve.
Harrowbarrow Consols—Tavistock.
Harrowbarrow Consols—Tavistock.
Harrowbarrow Consols—In the mine.

[The meetings of Mining Companies are inserted among the Mining Intelligence.] MEETINGS DURING THE ENSUING WEEK.

ings of Mining Companies are inserted among the Mining Intelligence.

LONDON AND YORK RAILWAY .- We noticed, in the Journal of last week, the correspondence between the committee of the shareholders in this company, appointed for the purpose of communicating with the directors, as also with those of the Eastern Counties Company, to carry out an amalgamation with the latter, instead of further prosecuting their bill through Parliament. In the present state of railway property, and particularly as this company is now situated, with respect to the Eastern Counties Company, whatever may have been the merits of this line six months since, it will, doubtless, now be the most economic and the wisest plan to hand it over, with its surveys and preparatory arrangements, to the Eastern Counties Company, who will be enabled to carry it out with much greater facility than a new company. That a more direct communication between London and York, and the north of England, is most seriously required, there cannot be a doubt; and the evidence of Mr. Pease before the Parliamentary committee, shows clearly the delays and inconveniences occasioned by the present circuitous route over various lines belonging to seperate companies. He stated, "That he could raise 2000 tons of coal per day, and make 2000 tons of coke per week; but that little of either was consumed in the neighbourhood—the greater portion being sent southwards, and thence to all parts of the world: he believed the London and York project, if carried into effect, would work a complete revolution in the whole coal trade of England: he could sell coal at the pit's mouth at 6s. per ton, and, by a London and York line, he could deliver it at King's-cross, after paying the City dues, and pay the expense of delivery within a circuit of six miles, at It. 4s. 74d, esperance, but the state of the could sell coal at the pit's mouth at 6s. per ton, and, by a London and York line, he could deliver it at King's-cross, after paying the City dues, and pay the expense of delivery within a circuit of six miles, at It. 4s. 74d, because, the same advantages would save an Immense amount of coal which was now destroyed, as the s correspondence between the committee of the shareholders in this company, appointed for the purpose of communicating with the directors, as also with

the route, the slightly increased distance, not lengthening the time of transit to any extent worthy of notice.

IREBI GREAT WESTERN RALWAY COMPANY.—In the Mining Journal of last Saturday, we made some remarks on the publication of a pamphlet by an anonymous writer, evidently intended to throw doubt and dissatisfaction among the shareholders, and avowedly for the purpose of causing the dissolution of the company. What the motives of the writer may have been, we know not, whether from an extraordinary feeling of enmity which has been evinced by a party against everything which tends, and everybody sodulously endeavouring, to develope the wealth and benefit the ropulation of the western districts of Ireland, or from greedy speculation, with the hopes of preying on the alarmed holders of shares, by purchasing low, and then by causing the breaking-up of the company, pocket the difference between the price paid for them, and the deposits returned. The pamphlet was published just on the eve of a general meeting, called by the directors, doubtless, with the hope of obtaining proselytes; the meeting, however, which was held in Whitehall-place, on Saturday last, took a very different view of the matter than their anonymous adviser. The parties present represented above 16,000 shares, and Mr. Fitzstphiks Firskers, M.P., was called to the chair. The directors' report was read, which stated—That the committee had thought it advisable, at the present crisis, to make the shareholders fully acquainted with the circumstances of this undertaking.—That the bill, authorising the construction of a railway from the trunk of the Great Southern and Western, or Cashel Railway, at a Portarlington, to Galway, had been sanctioned by the Select Committee of the House of Lords, after a protracted and acrimonious contest maintained against it by the Grand Canal, and Dublin and Mullingar Railway Companies, in every stage of its progress. The competing line to Galway, proposed by the last-named company, had been rejected by the same tribunal, IRIBH GREAT WESTERN RATLWAY COMPANY .- In the Mining Journal of Line, so that traffic can be commenced upon it the moment any portion of it is completed. Owing to these advantages, it is confidently expected that the line would be in profitable operation, as far as Tullamore, within eight months from the date of the passing of the Act. By adopting the plan proposed, each step of progress will be made to pay for itself; but feeling as they did the great importance to the integests of the company of completing the communication between Dublin and Gaway, as specifity as possible, the committee would let no opportunity escape of expediting the accomplishment of that object; and, in conclusion, that the commutee had great satisfaction in stating that they had received the meet cordial support from the London and Birmingham Railway Company, two influential mombers of that board having been named as directors in the bill, whose advice and assistance could not fail to be of the most marked advantage to the interests of the sempany.—From the statement of accounts, it appeared, that the amount of deposits and interest received, amounted to 106,9561. Se. di.; and that there had been expended in the last seasion in engineering, 65794. 13s.; legal and Parlamentary expenses, 16,6534.7d.; offices, advertising, and sundries, 20512. St. 11d.—total, 25,2642. Se. 6d., leaving a balance of 81,7112. St. 2d., from which the cost of the present session, estimated at 21,0004, has to bedefrayed—leaving a clear balance towards construction, of 69,0004, as stated above.—The Charman observed, that he had letters from several genetienes who were unavoidably absent, and commissioned him to act in their behalf; among them were Mr. Stewart, M.P. for Limerick, Sir John Gaiday, Admiral French, &c.; and Mr. Rodders and commissioned him to act in their behalf; among them were Mr. Stewart, M.P. for Limerick, Sir John Gaiday, Admiral French, &c.; and Mr. Rodders and the had been made upon them; the directors had treated them with perfect contempt, and did not think it worth waiting the company's funds in snawri

state of Ireland, the line could never proce remunerative, and recommended serious consideration before proceeding in its construction—an observation at which we cannot help expressing our surprise, as the most certain means of raising that unhappy country from its present degradation, furnishing its now famishing population with the conforts of life, and developing the vast resources with which the country teems, is, the establishing means of cheap and rapid transit for its produce, and opening out every possible adjunct to its commercial and agricultural prosperity, and which can only be obtained by the construction of railways.—Mr. Cana (a director of the Dublin and Cashel Line), was strongly attached to the undertaking; he believed it would tend to develope the great resources of Ireland, and prove highly remunerative to the shareholders; he was decidedly of opinion, that the line ought to be leased by the Cashel Company at a minimum per centage, with a fair and equitable division of profits; he would take an early opportunity of submitting a proposal to the directors, and hoped they should satisfactorily arrange before the next meeting.—The report was adopted, and we trust to be able to amounce the commencement of the construction of the line at an early period.

to the directors, and hoped they should satisfactorily arrange before the next meeting.—The report was adopted, and we trust to be able to amounce the commencement of the construction of the line at an early period.

Connwall and Devon Cesteran R. Railwan—A special general meeting of the shareholders in this company was held at the London Tavern, on Thursday, the 30th tult, for the purpose of considering the present gosition and prospects of the company—H. Williams, Eq., in the chair.—After some observations from the clairman, Mr. Consums (the secretary) read a report from the directors—a lengthy document, which had been prepared for recommending certain proceedings; but they had since discovered that the proceedings of the House of Commons, with regard to the dissolution of companies, precluded them from taking any ateps themselves at present towards a dissolution. The principal feature in this document is the account of the expenditure, which has already amounted to 68,635f. 8s. 11d., including 36,9000, paid for the Bodmin and Wadebridge Line; and the liabilities still outstanding, it is expected by parties capable of judging, will make the preliminary expenses amount to 38,000l, while the total of the deposits on 112,742 shares was 295,947. 15s. Among the items of expenditure, there are some which appear highly objectionable—for instance, there is charged for engineering expenses 13,823f., when it is well known that very little has been done since their establishment, as they took the line already surveyed by the old company; the extraordinary sum of 3310/2. 2s. 6d. is charged for brokers? commission on the allotment of shares; and which, with 6000/f. for law expenses, and nearly 3000/f. Parliamentary, is a pretty claim proof that strice conomy has not been much pressed for, or acted the proof of the company and the proof of the form of the company and the proof of

RAILWAY TRAFFIC.—From our official returns, it appears that the amount of traffic for the last week, on nearly 1800 miles of railway, was 141,7771., thus accounted for:—79,1494, for the conveyance of passengers only, 33,7694, for the carriage of goods, and a remainder of 28,8594, for passengers and goods together, not respectively apportioned—being an increase over the corresponding week of last year of 30,9961.—Railway Chronicle of this day.

ther, not respectively apportioned—being an increase over the corresponding week of last year of 30,9961.—Railway Chronicle of this day.

Direct Birkhingham and Lexicester Railway.—A report has appeared to the effect that the directors of this line had resolved on proceeding with their application for the bill; it is proper, however, to state that no definite resolution has yet been arrived at, but it is understood that the directors will hold a meeting on Monday for that purpose.

NORTH WALES MINERAL RAILWAY.—As this line is now nearly completed, we have made some inquiries as to the probable time of opening it. The directors have repeatedly had the subject under their consideration; and have at length determined to postpone the opening until the works of the Chester and Birkenhead, and Grand Junction stations, are completed. We think the directors have exercised a sound discretion, inasmuch as until the line of railway from those stations is continuous and unbroken, it is evident the traffic could not be worked with profit to the company or advantage to the public. In the meantime, the directors are engaged in making the most complete arrangements, and such as will almost immediately fully develope the capabilities of the line. The works on the Chester and Holyhead line are progressing with great rapidity.—Chester Chronicle.

Break of Gauge: The Bistol and Birmingham Railway Company are showing a very laudable desire to reduce as much as possible the inconvenience of the break of gauge; they have altered some of their trains so as to fall in with those on the Great Western Railway, and it is understood they are about to put on additional trains between Gloucester and Cheltenham for the like purpose. Much inconvenience has been felt by passengers arriving at Gloucester after the train for Cheltenham had started; and to remedy the evil, we learn that the directors of the Bristol and Birmingham line intend to make the balle to reach Cheltenham the same night; in addition to this, a train will be despatched from

be despatched from Cheltenham to Gloucester, to meet the Great Western up mail train, which leaves Gloucester at midnight.

CITY OF DUBLIN STEAM-PACKET COMPANY.—The meeting of this company, for receiving the report of the directors for the last half-year, and declaring a dividend, was held at the company's office on the 25th inst. The report appeared to give much satisfaction to the meeting, and the usual dividend of 3per cent. for the half-year was then declared. It appeared by the report that a considerable increase of loading was anticipated from the opening of the metropolitan lines of railway, and that the directors were making every exertion to provide additional vessels. The new vessel, the Windsor, was expected soon to be in service, and the Prince of Wales, a new iron vessel, had been placed on the Bangor line. The company's steam schooners were in considerable advance, one of them having already been brought into service. In reference to the Holyhead line, it was stated that the directors would be prepared in detime to give effect to the opening of the railway from that to Chester. The report referred to the relaxation of the harbour dues, and the removing the charge for the Poolbeg light, in the port of Dublin, and paid a well-merited compliment to the Ballast Corporation for the facilities they afforded the company in establishing the case of legal exemption to the whole trade of the port, from the charge for that light.—Irish Railway Gazette.

The Great Britain Steam-ship.—This vessel made a rial trip into the Irish Channel on Wednesday last. She has undergone considerable alteration, the principal features of which we stated a few weeks ago. Her masts are now rive in number, and fitted with rope rigging, and her propeller, from the top of the opposite vanes, is the same as before—15 f. 6 in. The alteration in the style of rigging is expected to effect a great improvement, both as to the speed of the vessel and her general management, whother under steam or canves.

PROGRESS OF MACHINERY IN FRANCE.—In last week's Journal we gave list of the number of locomotives ordered in England on account of the Progress of Machinery in France.—In last week's Journal wegare a list of the number of locomotives ordered in England on account of the different railways now being constructed in France, amounting to 675, which have been contracted for at the rate of 1800/. to 2000/. sterling, to be delivered within two years. Besides which, the following number of locomotive engines have been ordered to be manufactured immediately by French engineers:—Alleard and Buddicom, 80; Derosne and Cail, 75; Meyer and Co., 70; Gouin. 38; Cave, 35; Creusot, 20; La Ciotal, 25; Hallette, 16; Andre Kœchlin, 12—total, 371. Ten of the engines from Creusot, intended for the railway of Orleans and the centre, are to be of six coupled wheels, and two of Andre Kœchlin, for the railway of the Loire, on the same principle. It must be noticed, that the greater portion of the workmen employed in the French engine factories are English.

BLAENAVON IRON AND COAL COMPANY,

At an ANNUAL GENERAL MEETING of the shareholders of the Bleenavon Iron and Coal Company, held at the offices, 4, Pancras-lane, on Friday, the 24th April, 1846, the following report was read:—

Lime 5,238 ,,
The profit arising from these sales is as follows:—
Of Pigs £15,706 0 10
Metal 1,240 3 7
Best bars 16,206 19 3
Coal and limestone 1,506 2 1

The books and accounts, showing this profit, have been carefully examined; and, in accordance with the system adopted last year, the remaining expense of relianing one of the furnaces, together with other repairs and improvements, amounting to £1553 15a. 6d., have been charged to the current expenditure of the year 1845.

In London there has been paid—

And £3000 has been appropriated to the payment of the dividend in the month of November less.

And £3000 has been appropriated to the payment of the dividend in the month of November last.

As the works are now returning a profit, it will be necessary to resume the plan-of writing off 10 per cent. from the "preliminary expenses" and "suspense account;" and as it is now three years since that plan was omitted, it is proposed to write off 30 per cent. from each—being from the former £1183-16s., and from the latter £3034-4s.

The shareholders will recollect that the paragraph of the last report, antileptaining the payment of a dividend, was coupled with an expression of the necessity of liquidiating the losses of past years. The directors propose, therefore, to write off £3403-0s. Id. from the payment of a dividend, was coupled with an expression of the necessity of liquidiating the losses of past years. The directors propose, therefore, to write off £3403-0s. Id. from the payment of a dividend of 20s. and to declare a further dividend of 20s. per share, for the year 1845, in the month of July next.

It is much to be regretted, that the authority given at various times to the directors, for enabling them to raise funds for the completion of the new works, should have hitherto failed—whereby so large an amount of the capital of the company, which might have been brought into profitable employment, still remains unproductive. The present state and prospects of the fron trade, and the manifest interests of the shareholders, imperatively domand an efficient effort to place the works of the Blaenawon Company in a position to realise the large profits which the prosent opportunity offers; and referring to the success of the past year, the directors indulge the expectation that the shareholders will the above important object.

It is now proposed, in accordance with the powers confided to the directors by the shareholders, at the meetings of the 24th of April, 1849, and 19th of May, 1843, to issue debendures at the rate of 5 per cent. per annum for five years—convertible, at the option of the holder, at any time i

The fellowing resolutions were then moved and carried unaning

Moved by the chairman, and seconded by Francis Warden, Esq.,
That the report now read be received, adopted, and (as well as the debtor and creditor
attenuents of the transactions of the company from the commencement) be printed, and
piles sent to each shardholder.

copies sent to each shareholder.

Moved by E. H. Jones, Esq., seconded by J. H. Pidcock, Esq.,
That the thanks of the company be given to Mr. Johnson, the manager, for his zeal and
unremitting exertions during his management.

Moved by Richard Earle, Esq., seconded by T. T. Mardon, Esq.,
That the grateful thanks of the company are due to the late chairman, Francis Warden,
Esq., and that, as a small testimonial of their opinion of his services, a silver salver (value
£100) be presented to him.
A vote was then unanimously awarded of £100 to the infant school for the children of
the workmen of the company.

Thanks were unanimously voted to R. W. Kennard, Esq., for his valuable services in
the chair, and to his colleagues at the board.

JAMES BOOTH, Secretary.

(C. A. Pilotty.

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